

FIG. 1A

RT-PCR for CCR5 gene

| | | |
|------------------------|---|---|
| <u>IL-4</u> | - | + |
| IL-13 | - | + |
| IFN- γ (C57B/6) | - | + |
| IFN- γ (Balb/c) | - | + |

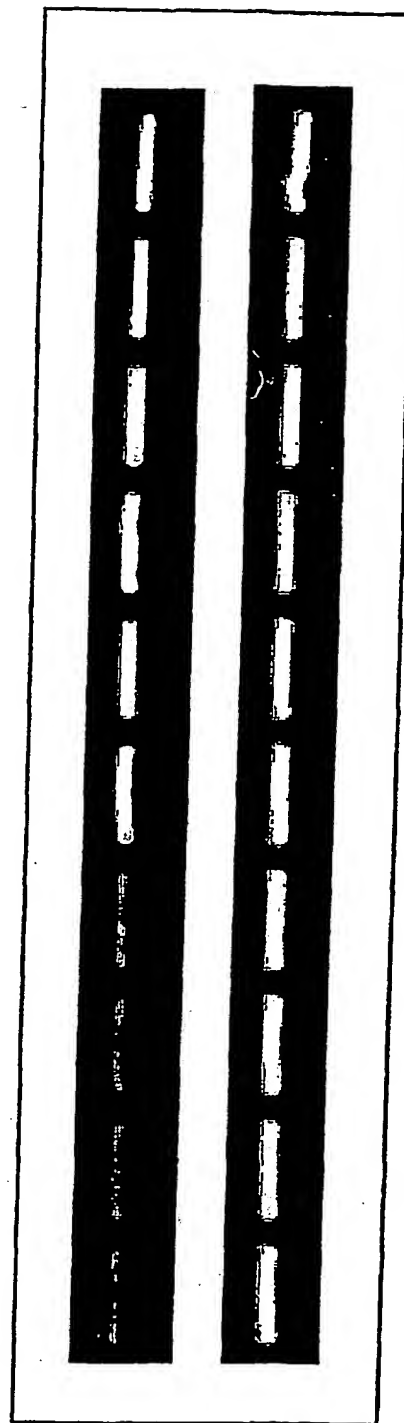


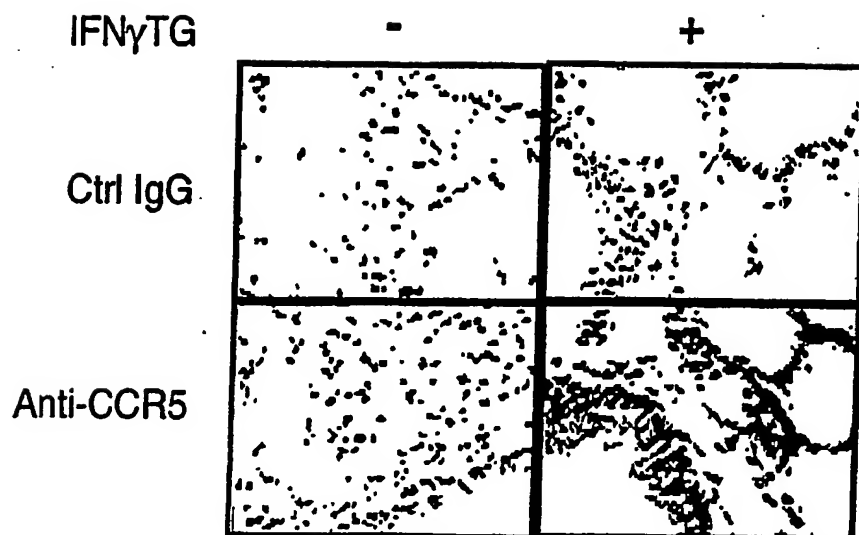
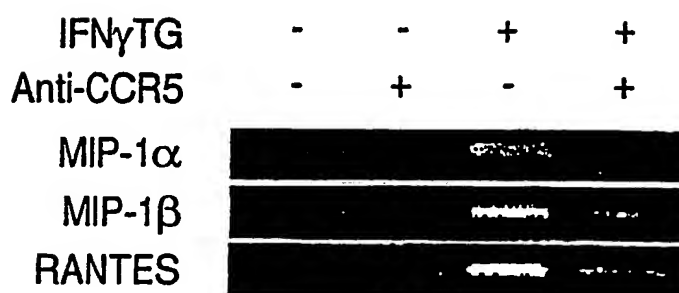
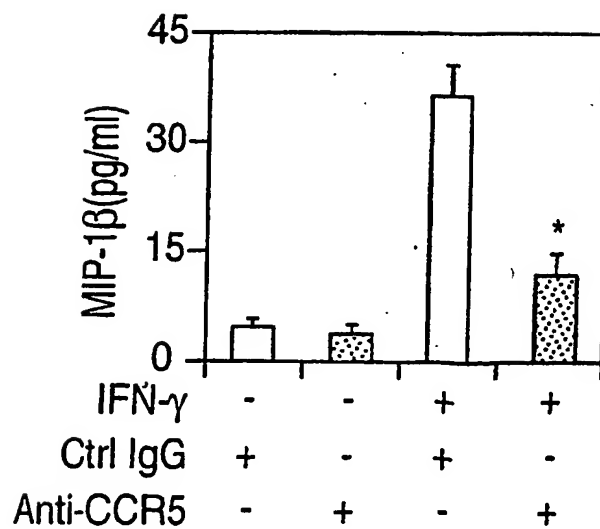
FIG. 1B

FIG. 2A**FIG. 2B****BEST AVAILABLE COPY**

BAL total cell count of IFN- γ mice after blocking and null mutation of CCR5

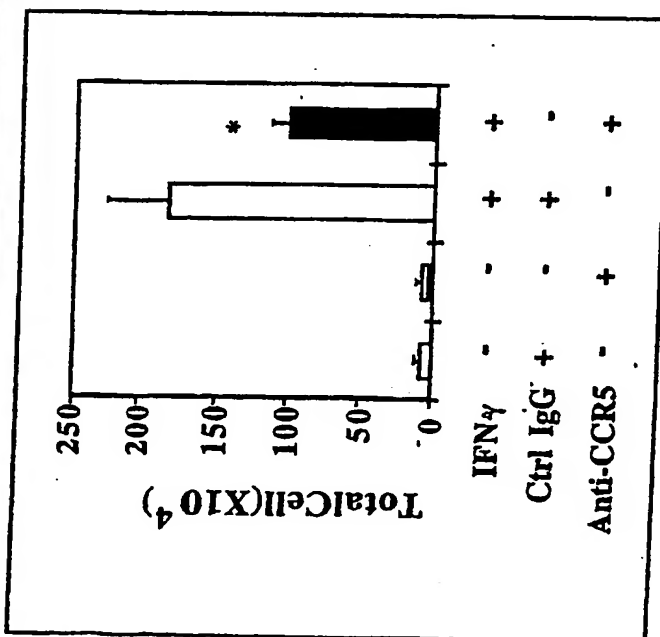


FIG. 3A

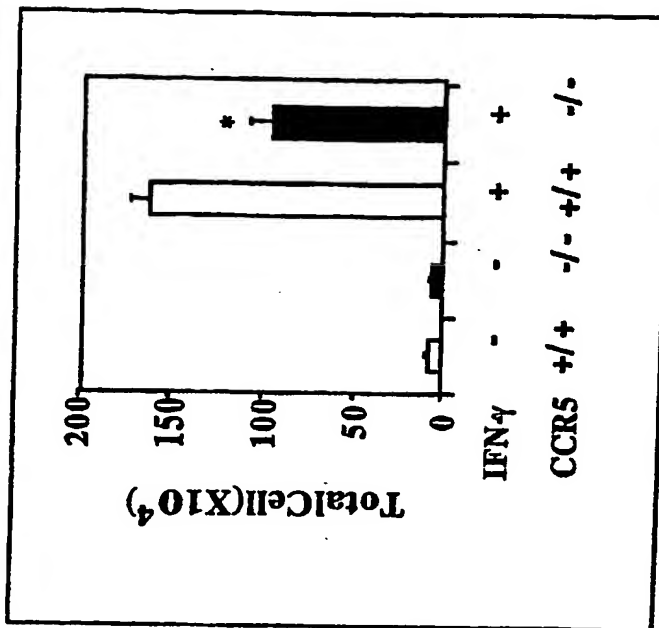


FIG. 3B

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Lung volume change of INF- γ mice after blocking and null mutation of CCR receptor 5

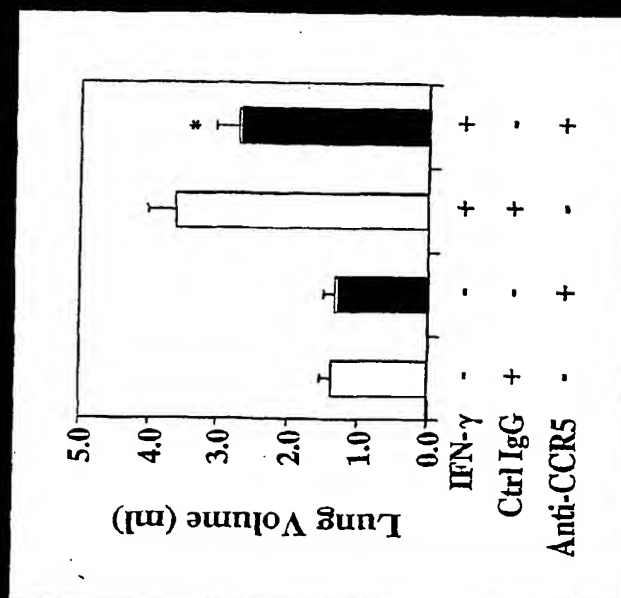


Fig. 4A

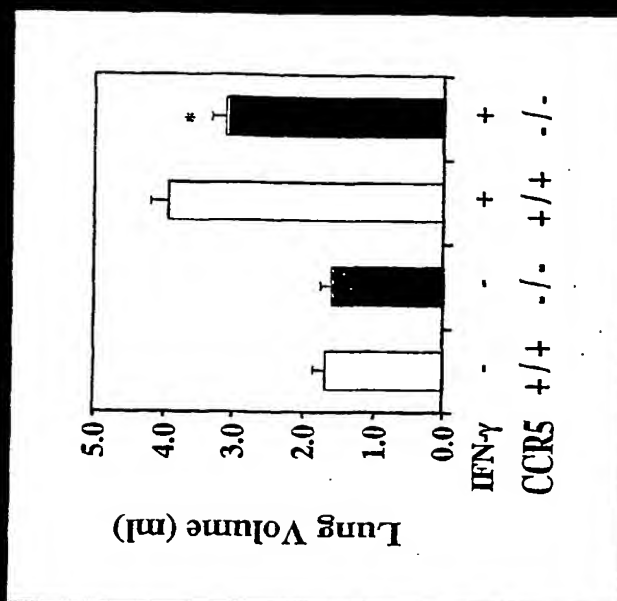
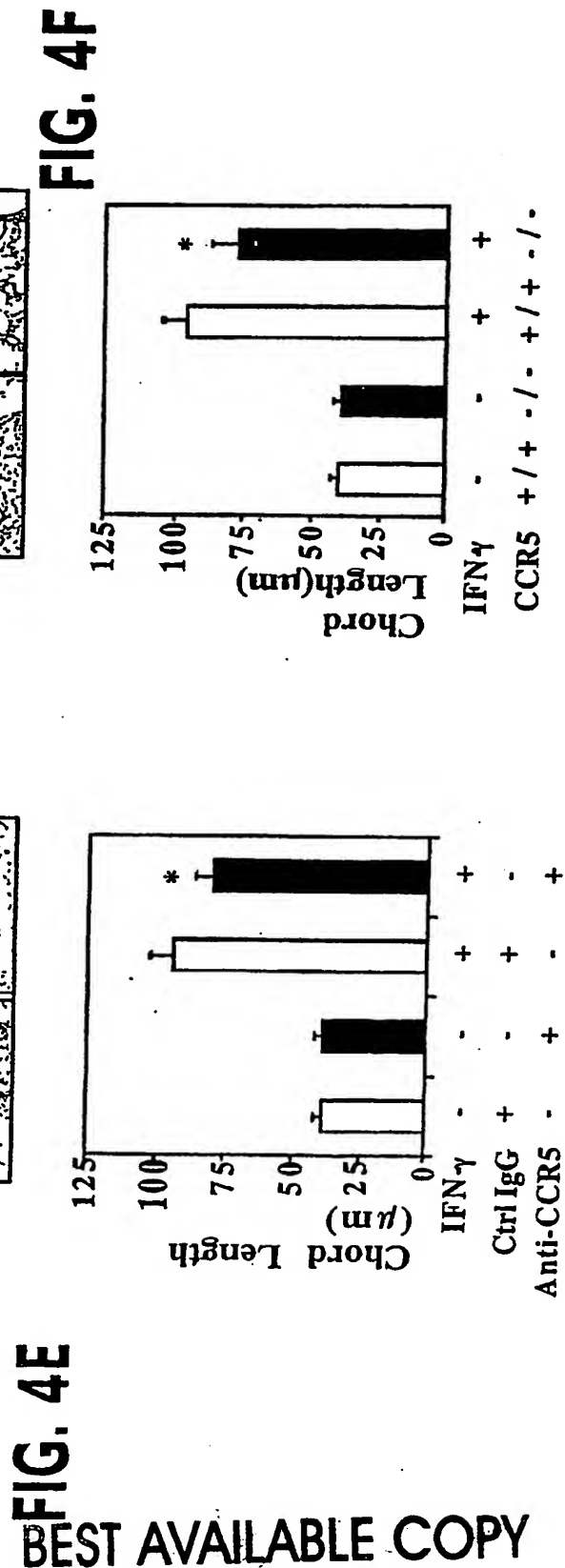
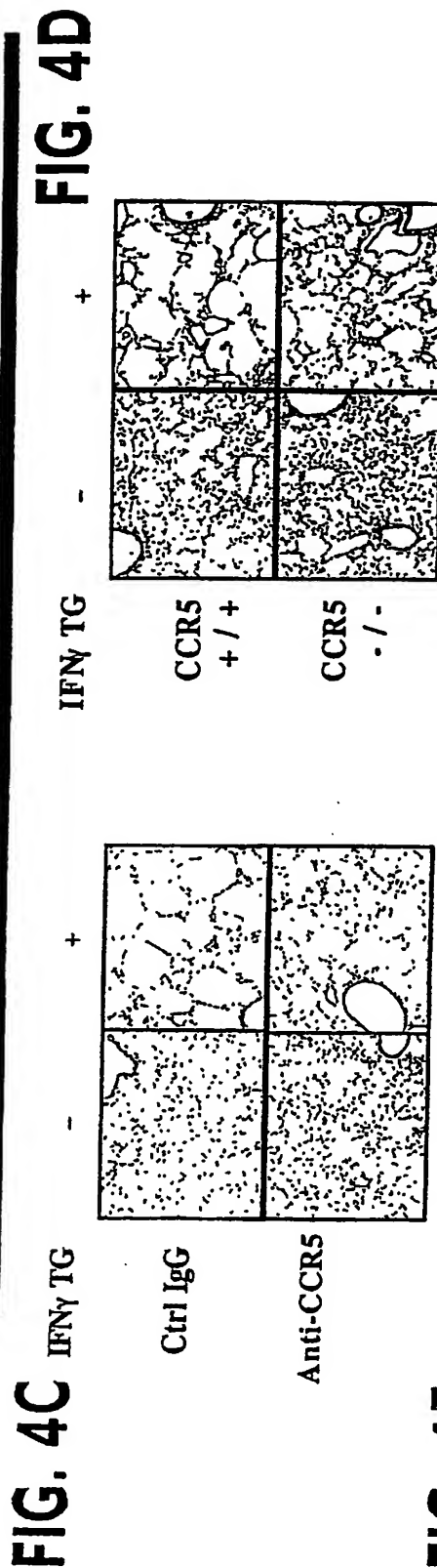


Fig. 4B

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Blocking and Null Mutation of CCR5 In CC10-IFN- γ Mouse Lung



BAL IFN- γ level of CC10-IFN- γ mice after blocking and null mutation of CCR5

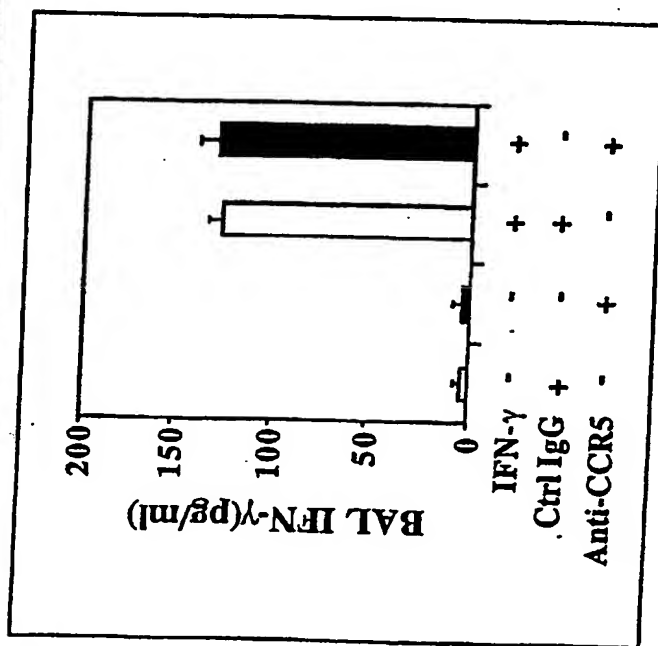


FIG. 5A

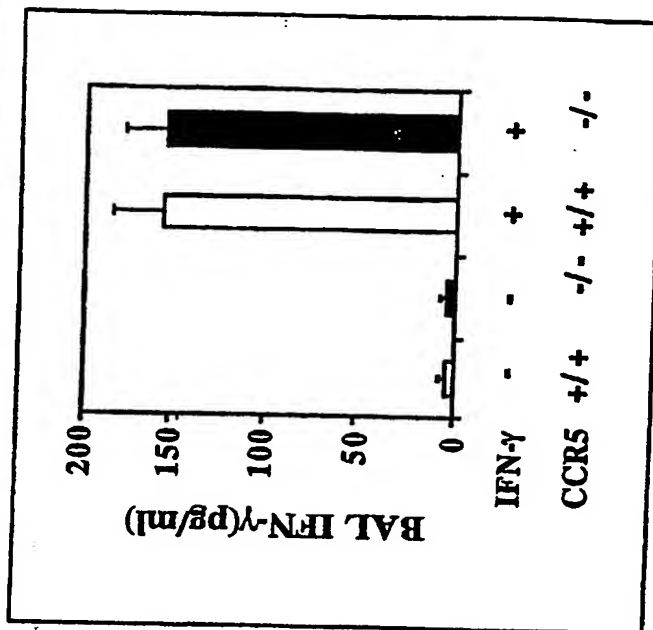


FIG. 5B

FIG. 6A

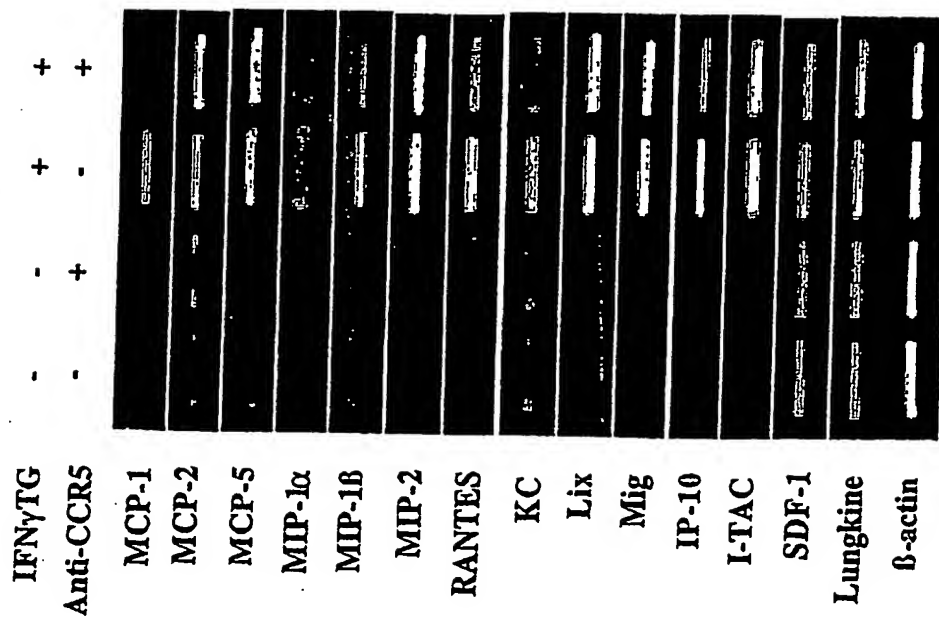
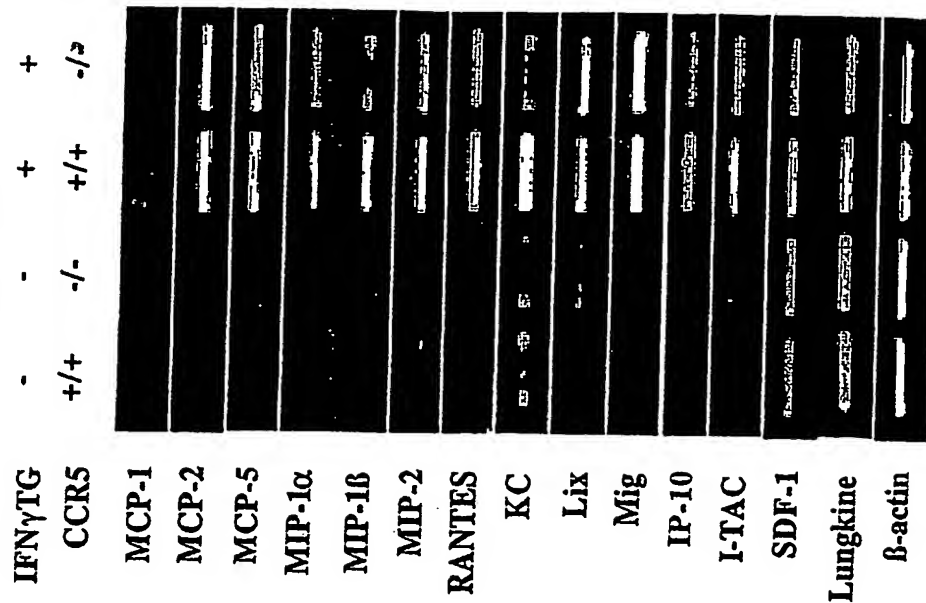
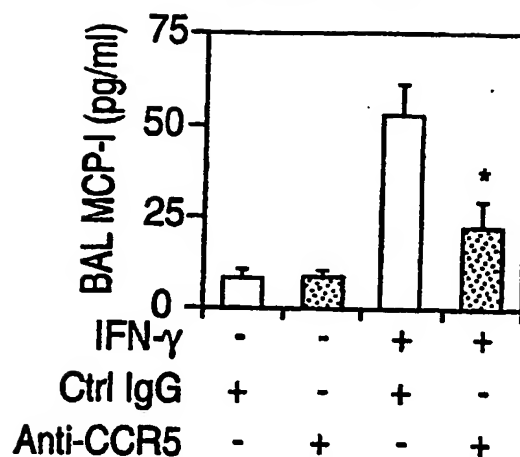
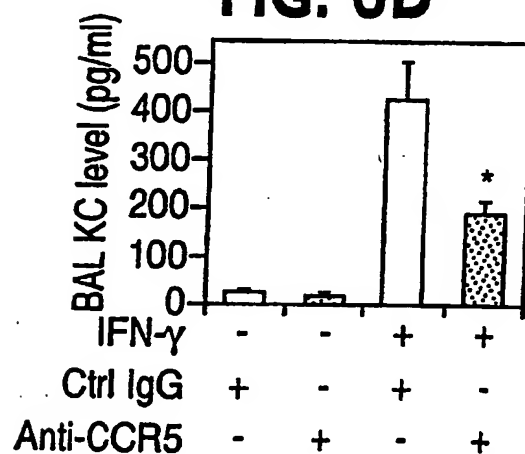
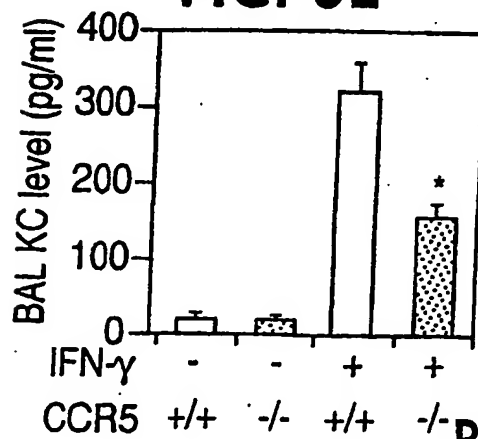


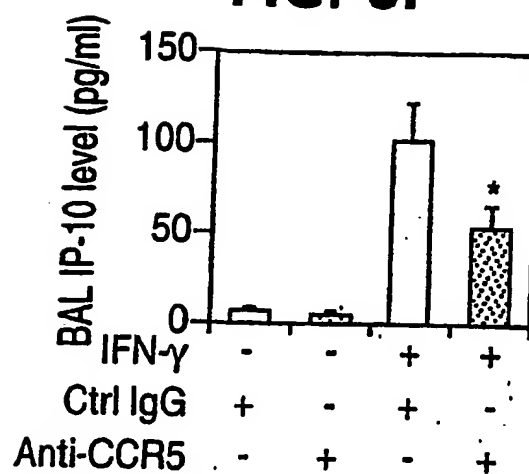
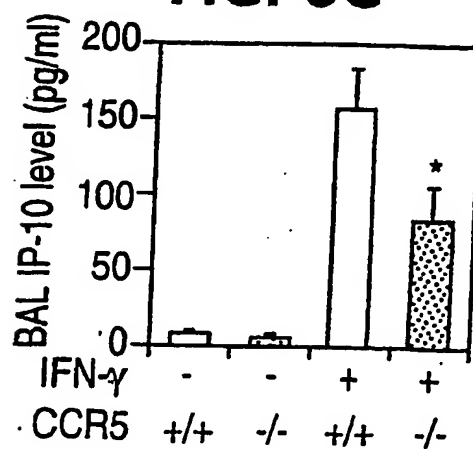
FIG. 6B



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FIG. 6C**FIG. 6D****FIG. 6E**

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FIG. 6F**FIG. 6G****BEST AVAILABLE COPY**

Proteinase and anti-proteinase after blocking and null mutation of CCR5 in IFN- γ mice

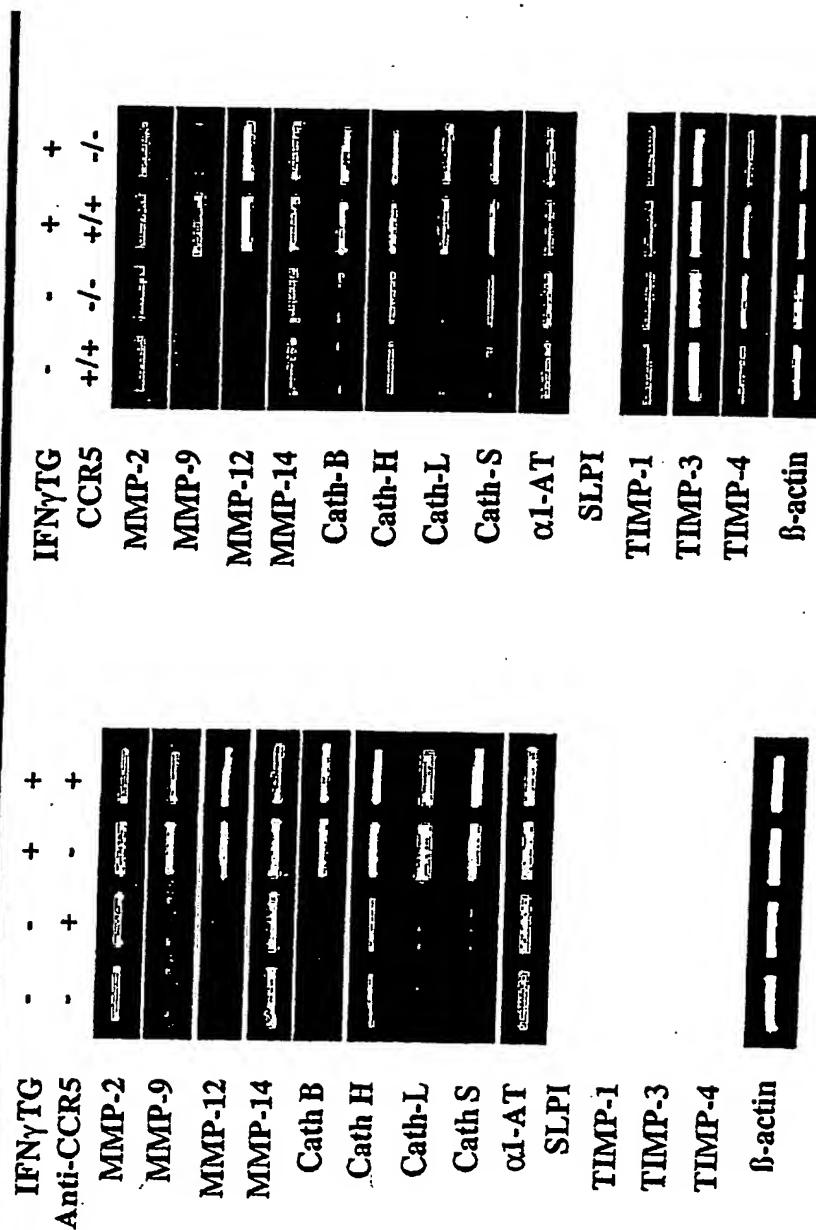
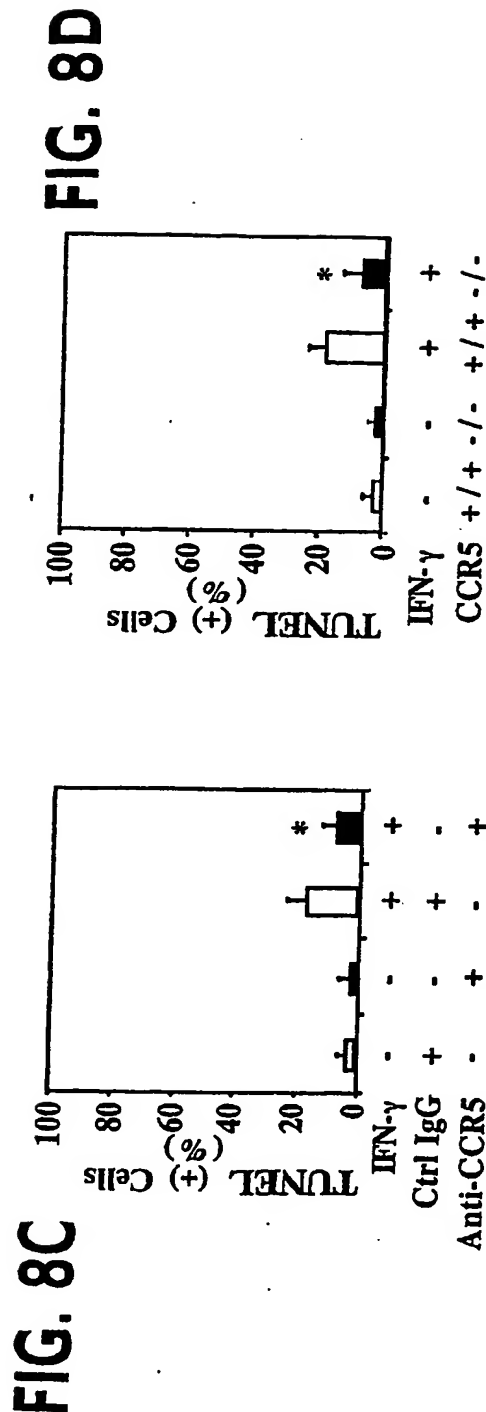
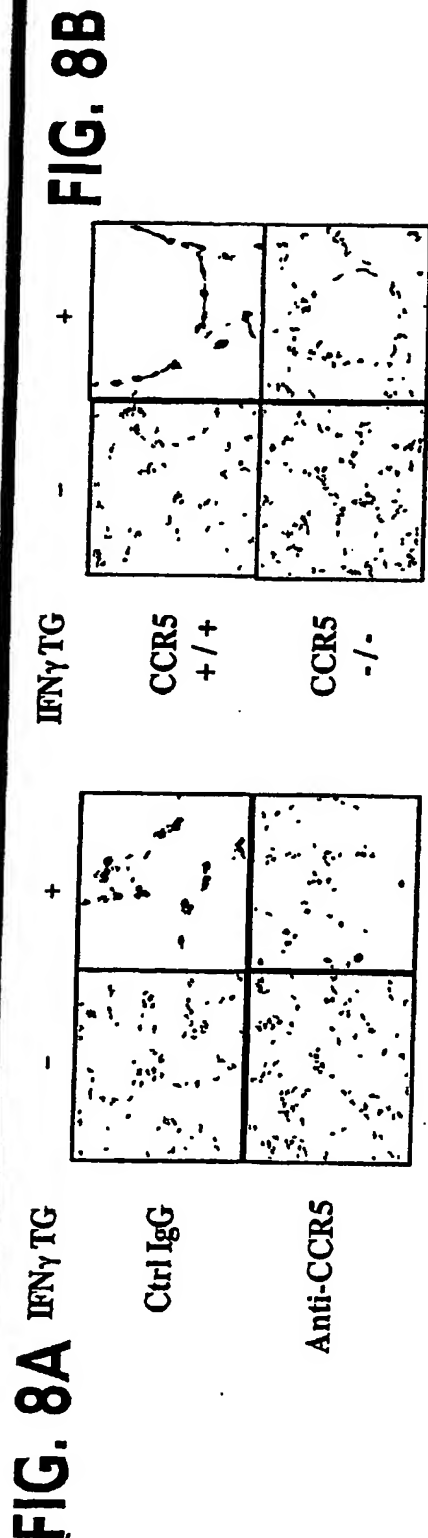


FIG. 7A

FIG. 7B

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TUNEL Staining in IFN- γ Mouse Lung after blocking and null mutation of CCR5



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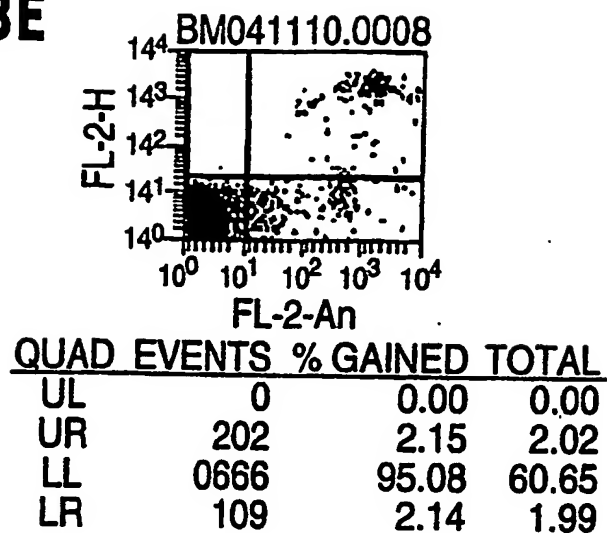
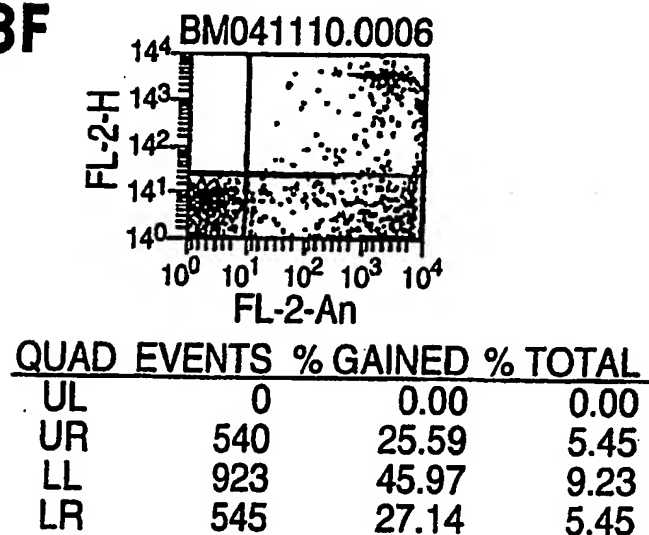
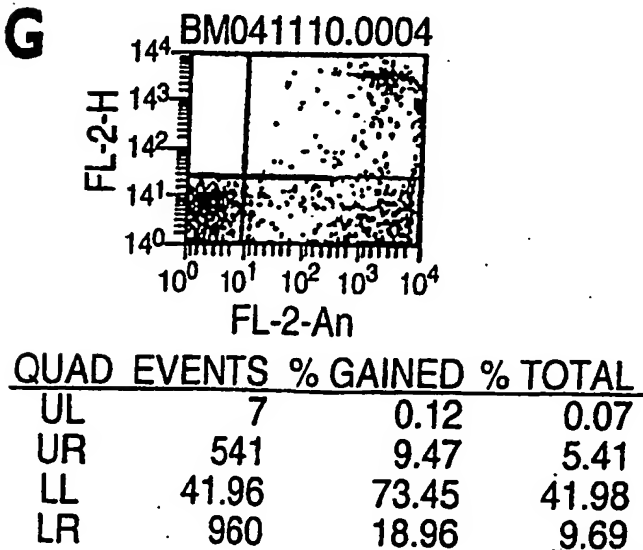
FIG. 8E**FIG. 8F****FIG. 8G**

FIG. 9A

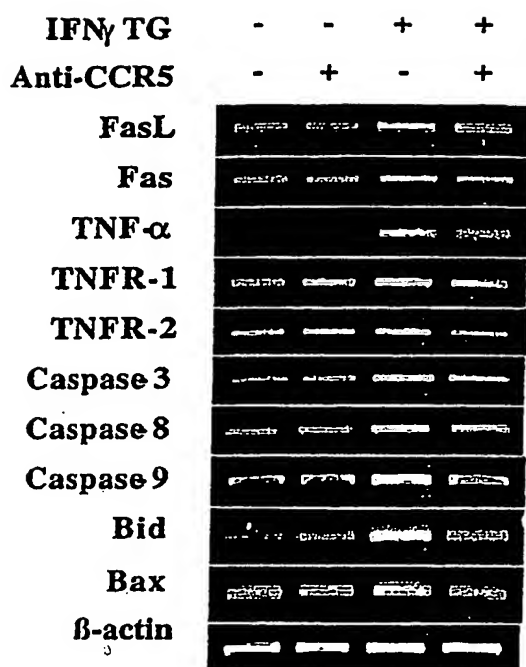


FIG. 9D

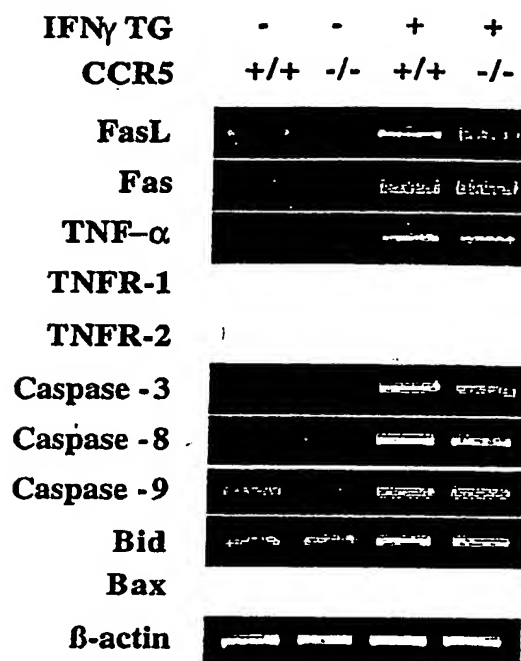


FIG. 9B

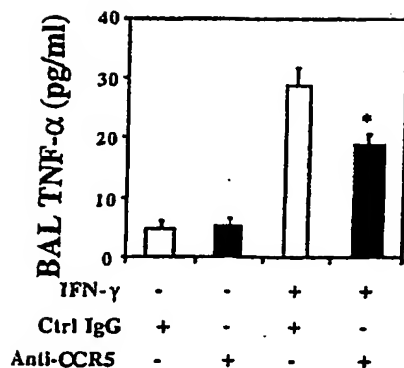


FIG. 9E

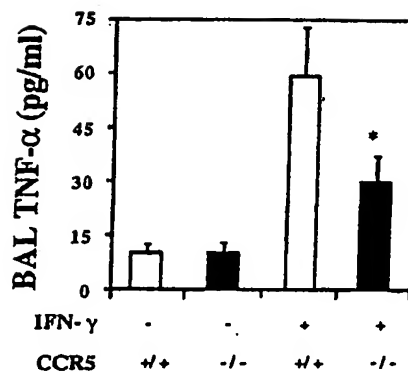


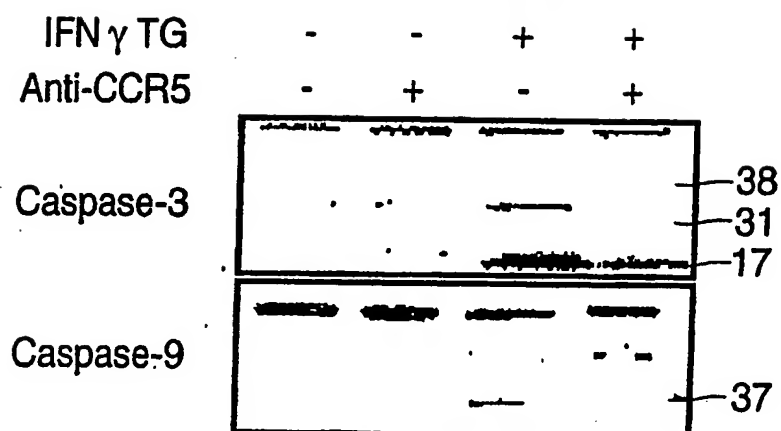
FIG. 9C

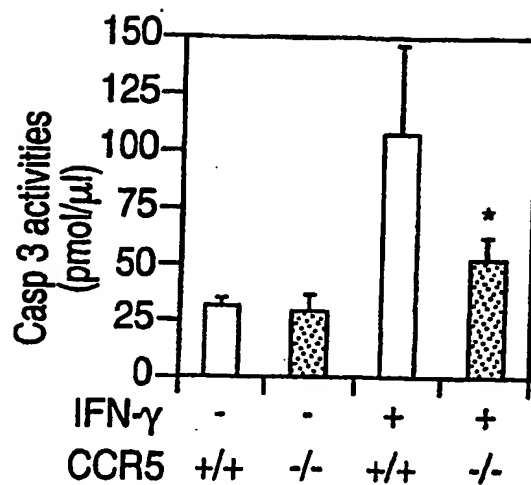
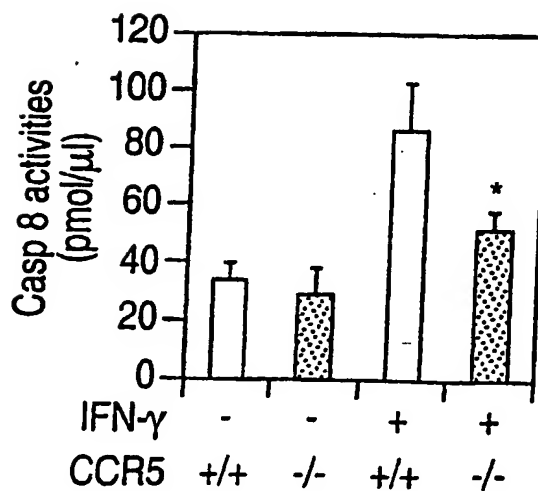
FIG. 9F**FIG. 9G**

FIG. 10A

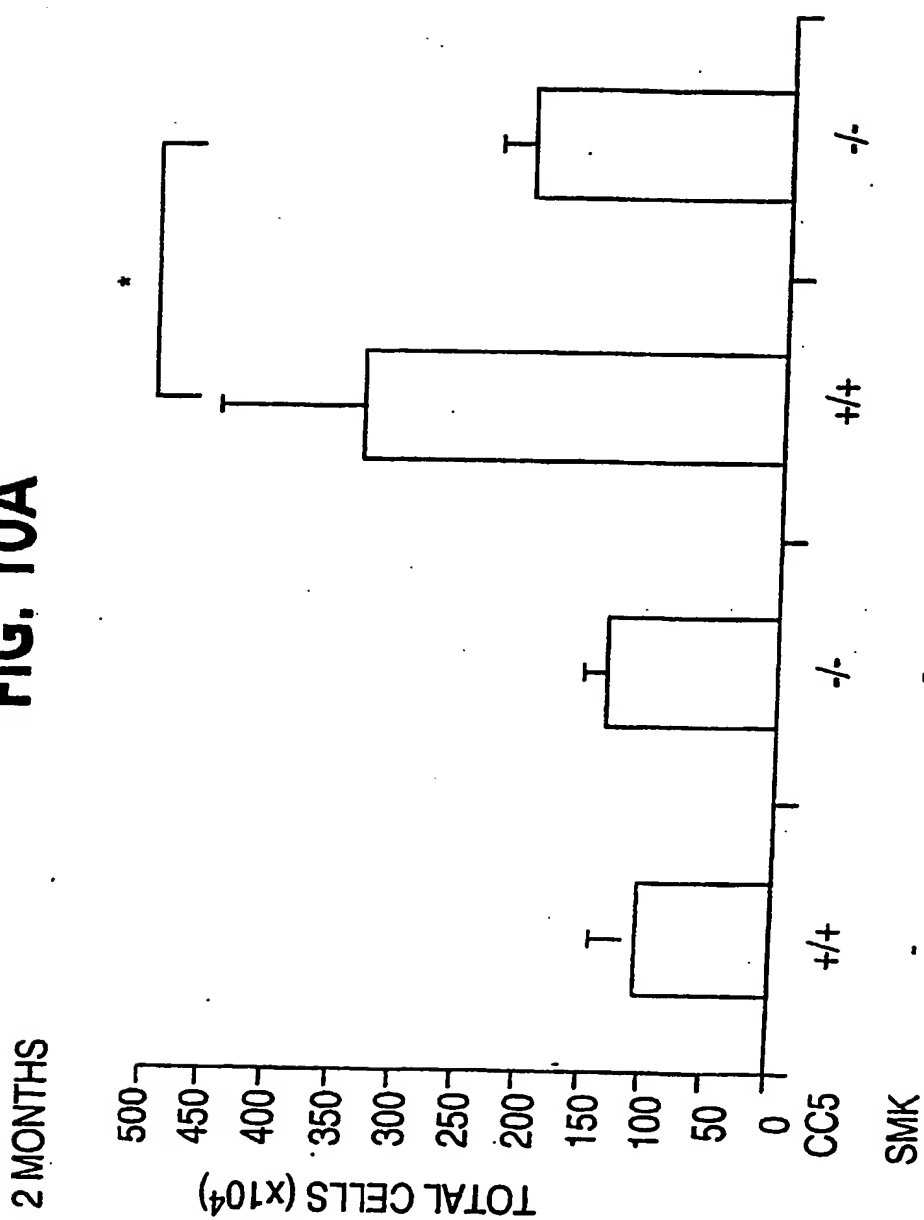
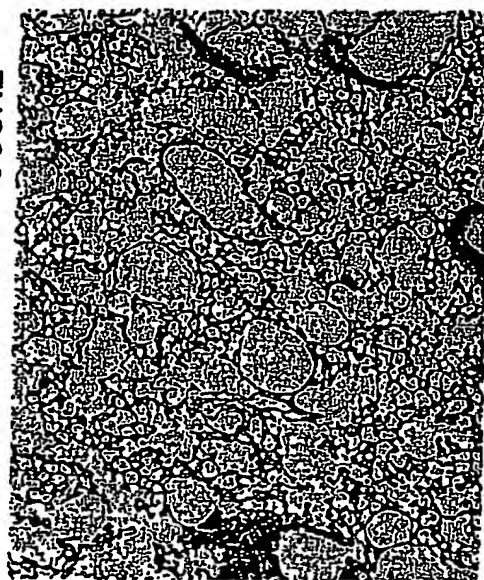


FIG. 10B

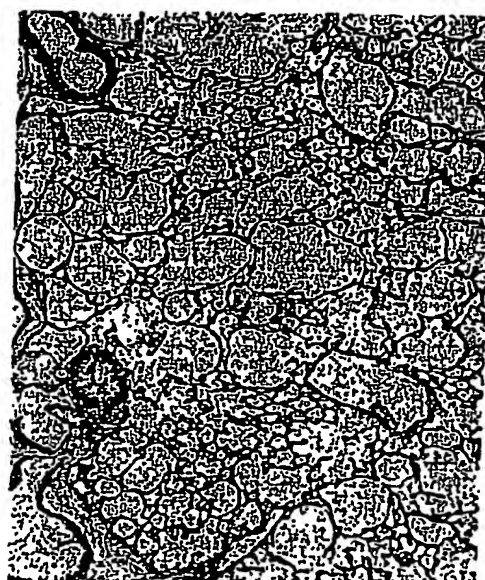
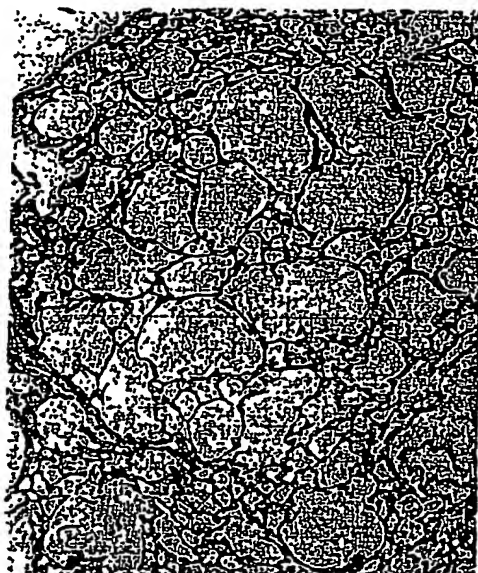
HISTOLOGY (HE) AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE

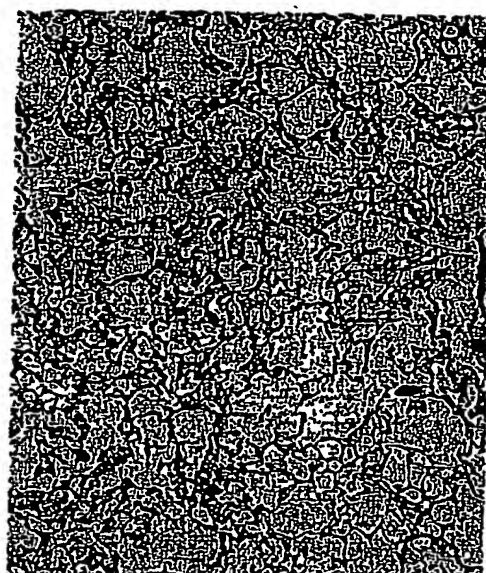
SMOKING EXPOSURE



CCR5 +/-



CCR5 -/-



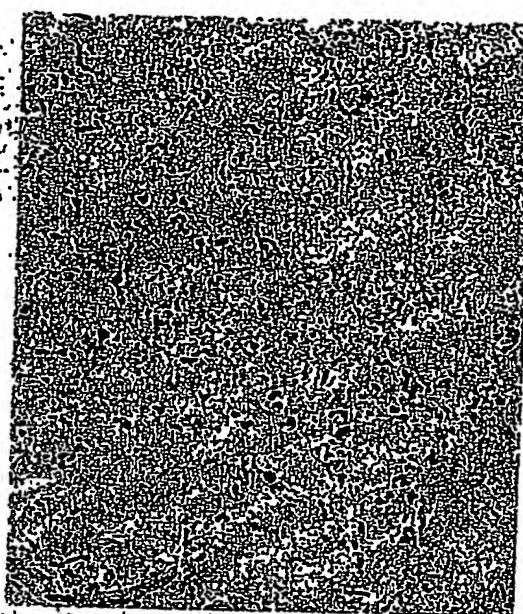
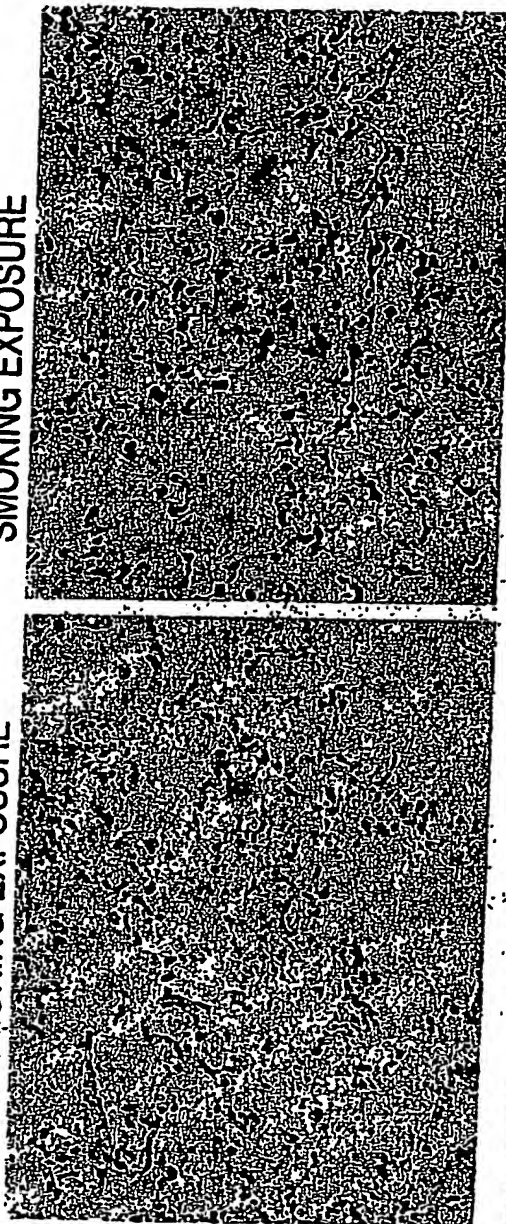
10x H&E

FIG. 10C

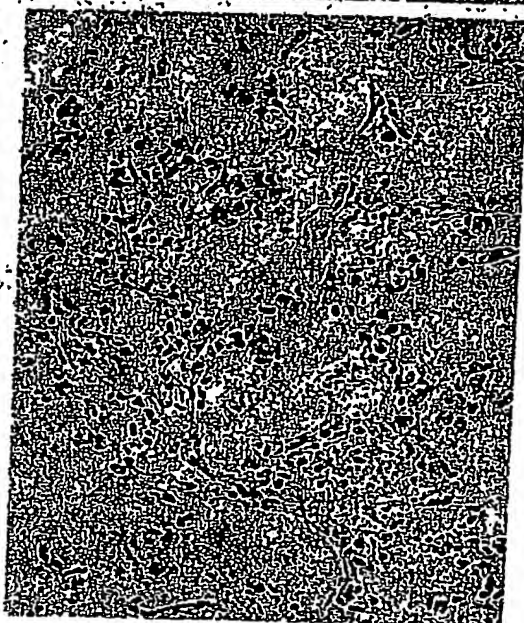
TUNEL STAINING FOR APOPTOSIS AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE

SMOKING EXPOSURE

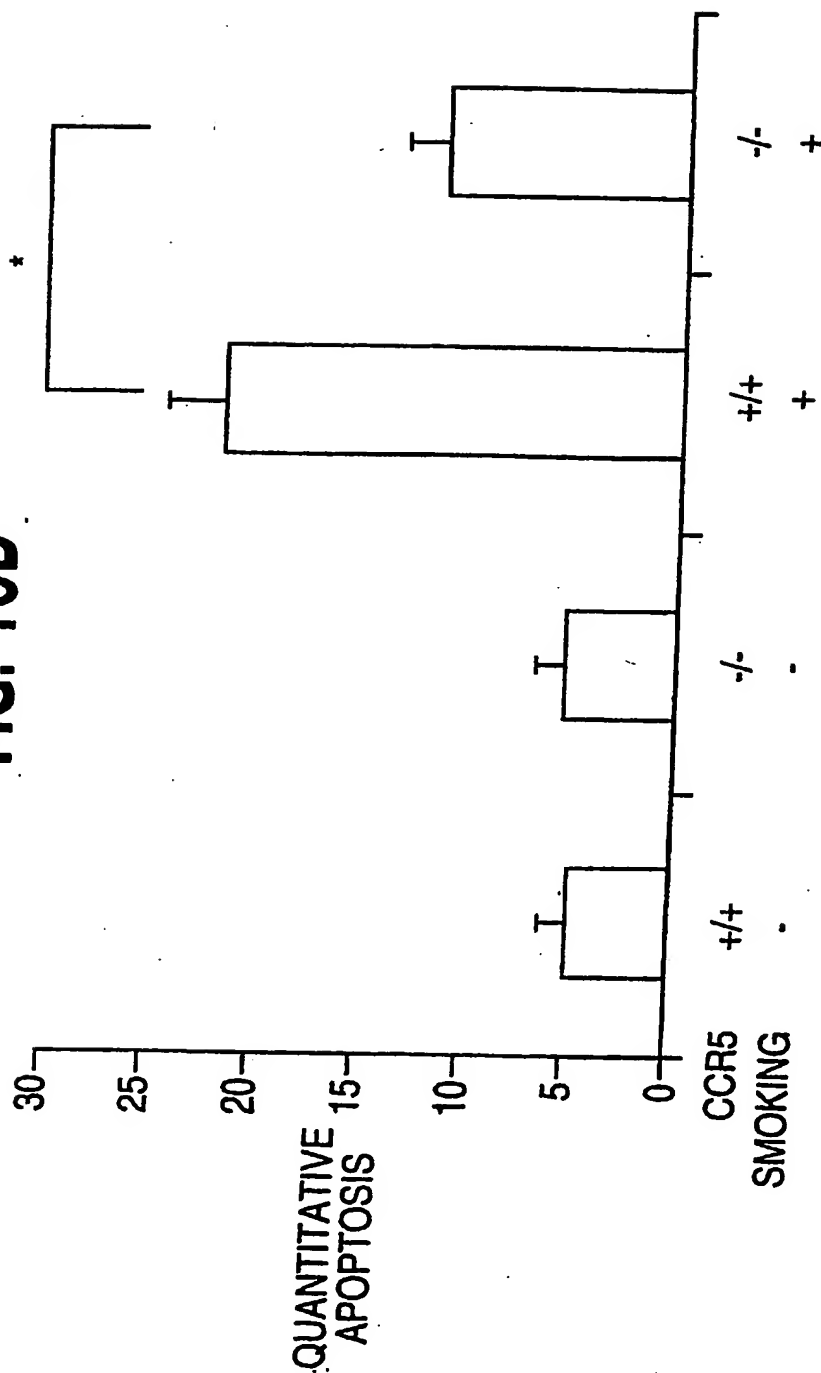


CCR5 +/-



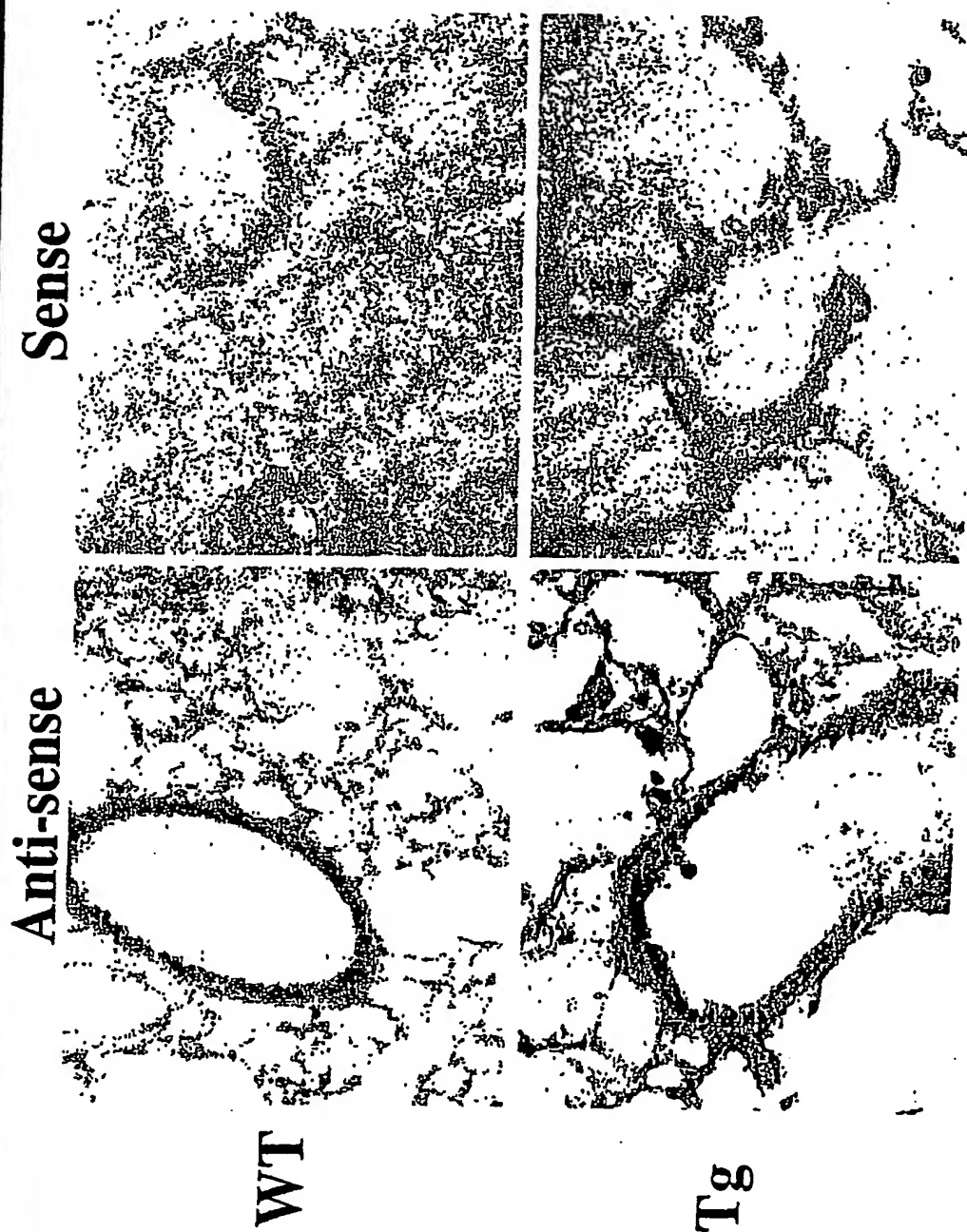
CCR5 -/-

FIG. 10D



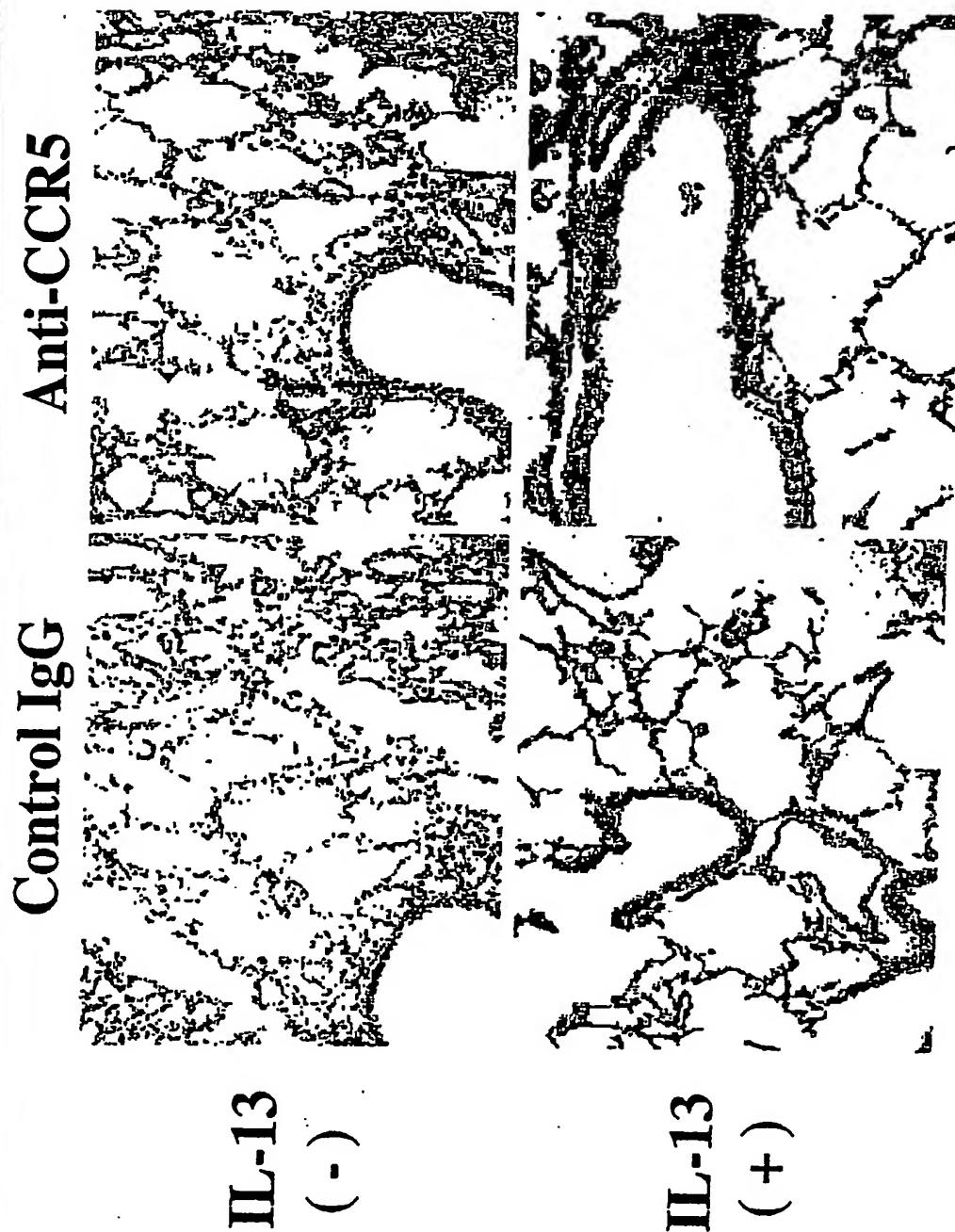
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FIG. 11
CCR5 ISH in CC10-IL-13 Mouse Lung



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FIG. 12 **CCR5 IHC in CC10-IL-13 Mouse Lung**

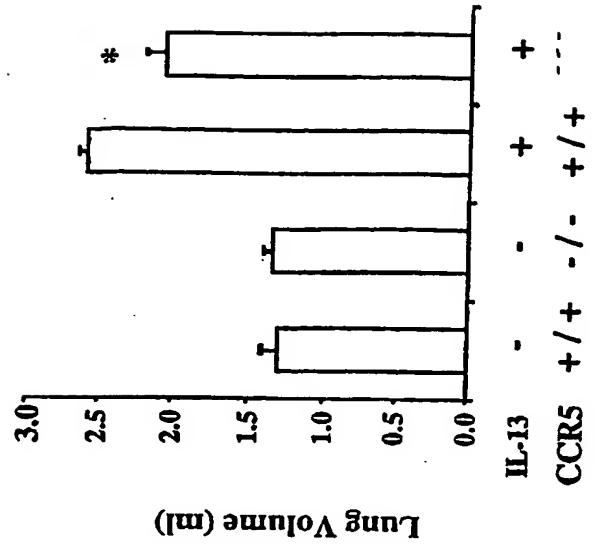
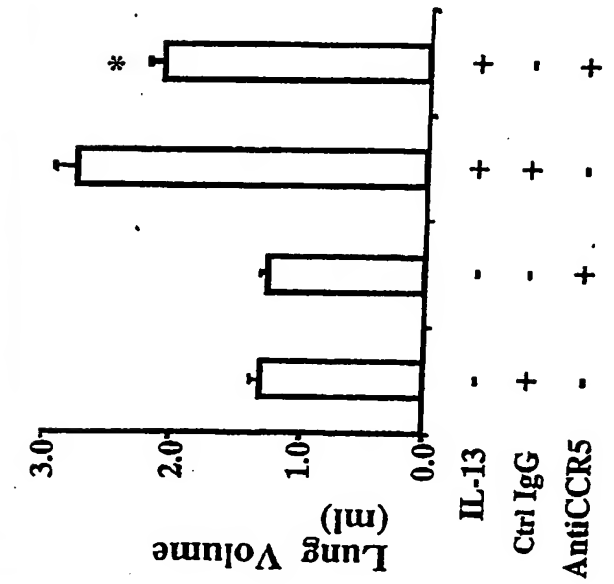


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FIG. 13

Lung Volume of IL-13 Mice After block and null mutation of CCR5

| | | | | |
|-----------|---|---|---|---|
| Ctrl IgG | + | - | + | - |
| Anti-CCR5 | - | + | - | + |
| iIL-13 | - | - | + | + |



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FIG. 14A BAL total cell and differential of iIL-13 mice after block and null mutation of CCR5

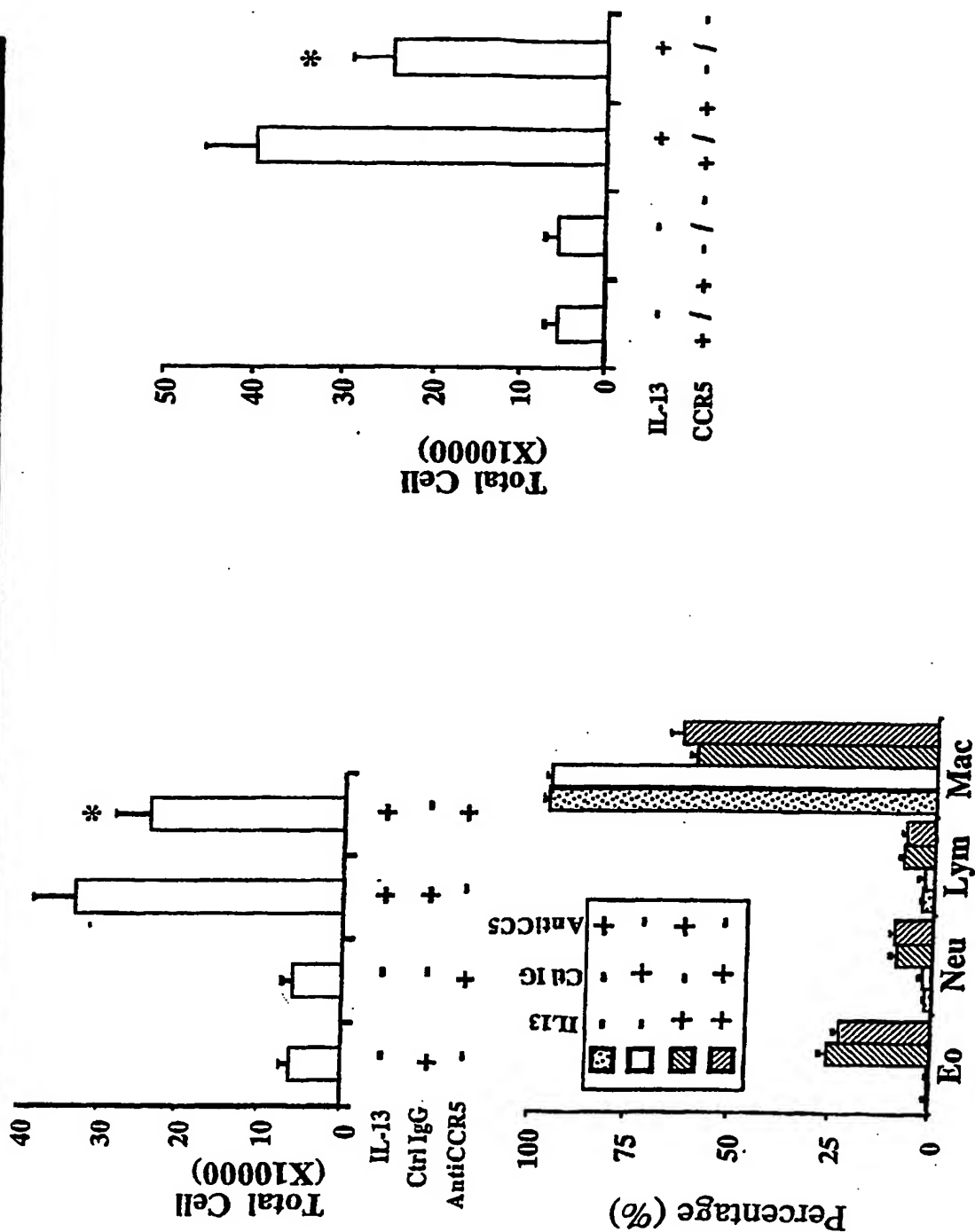


FIG. 14B

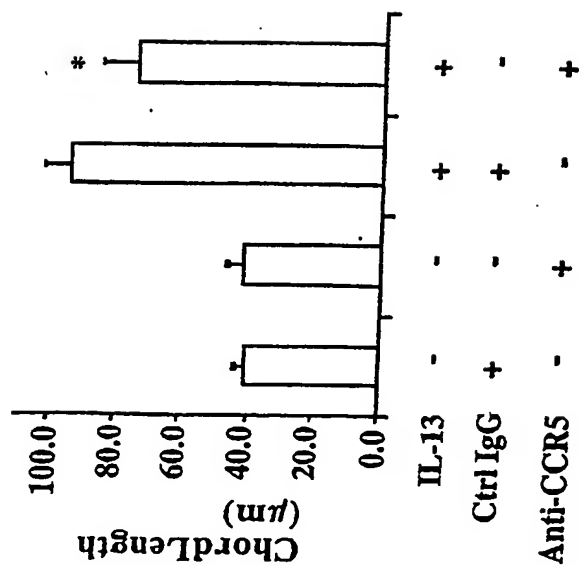
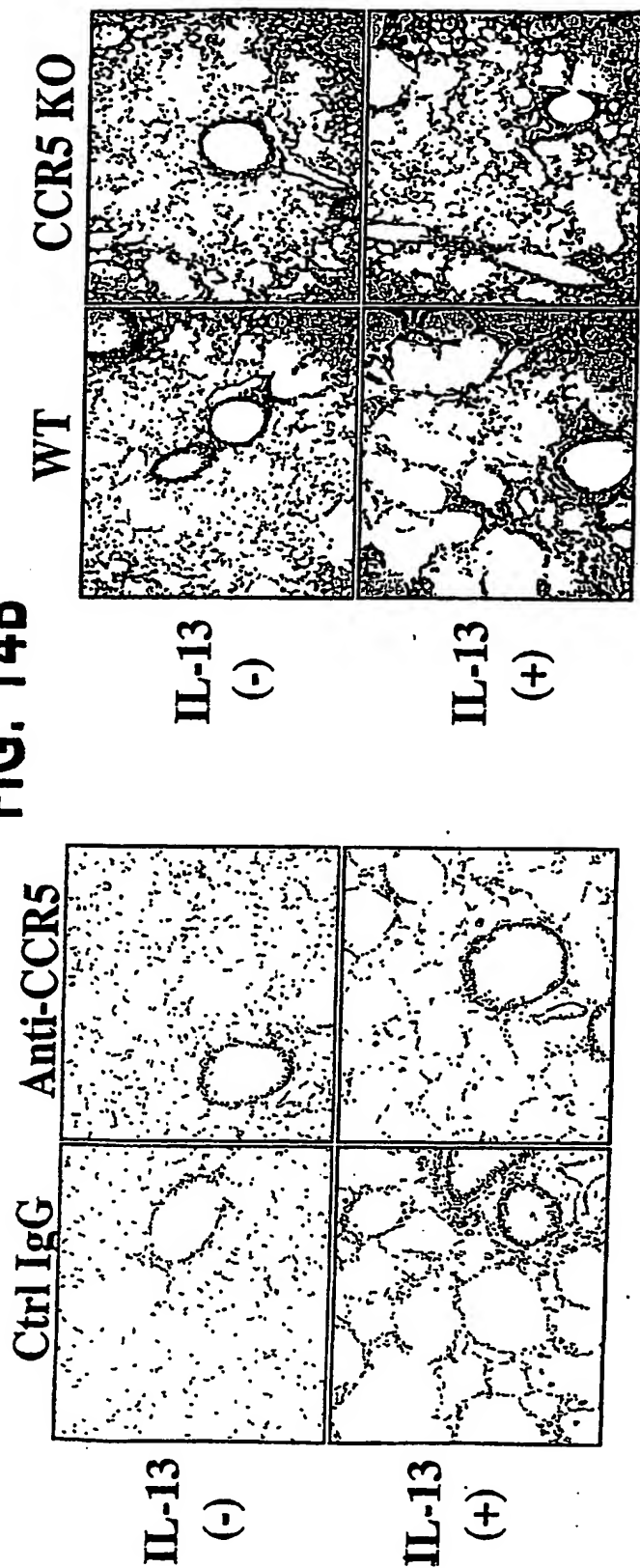


FIG. 15

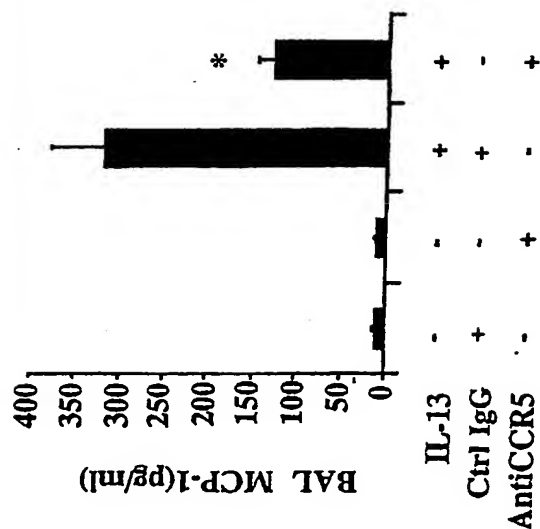
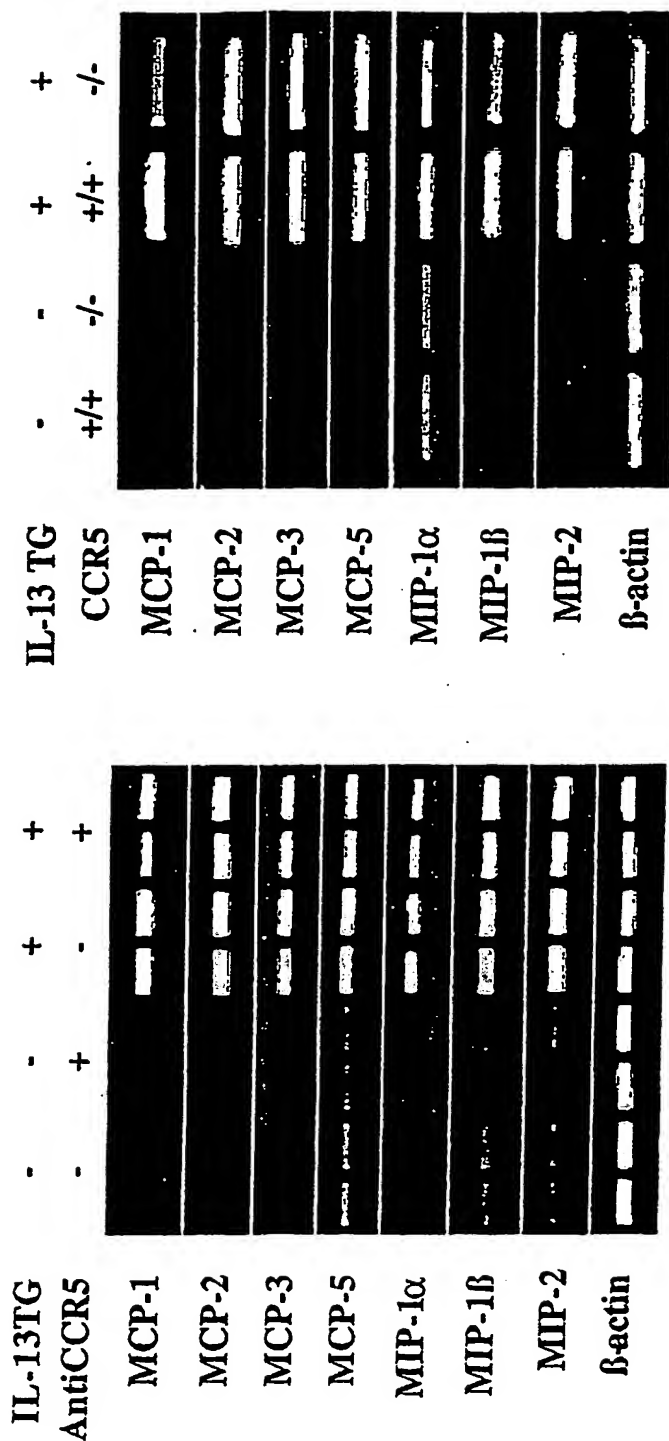


FIG. 16

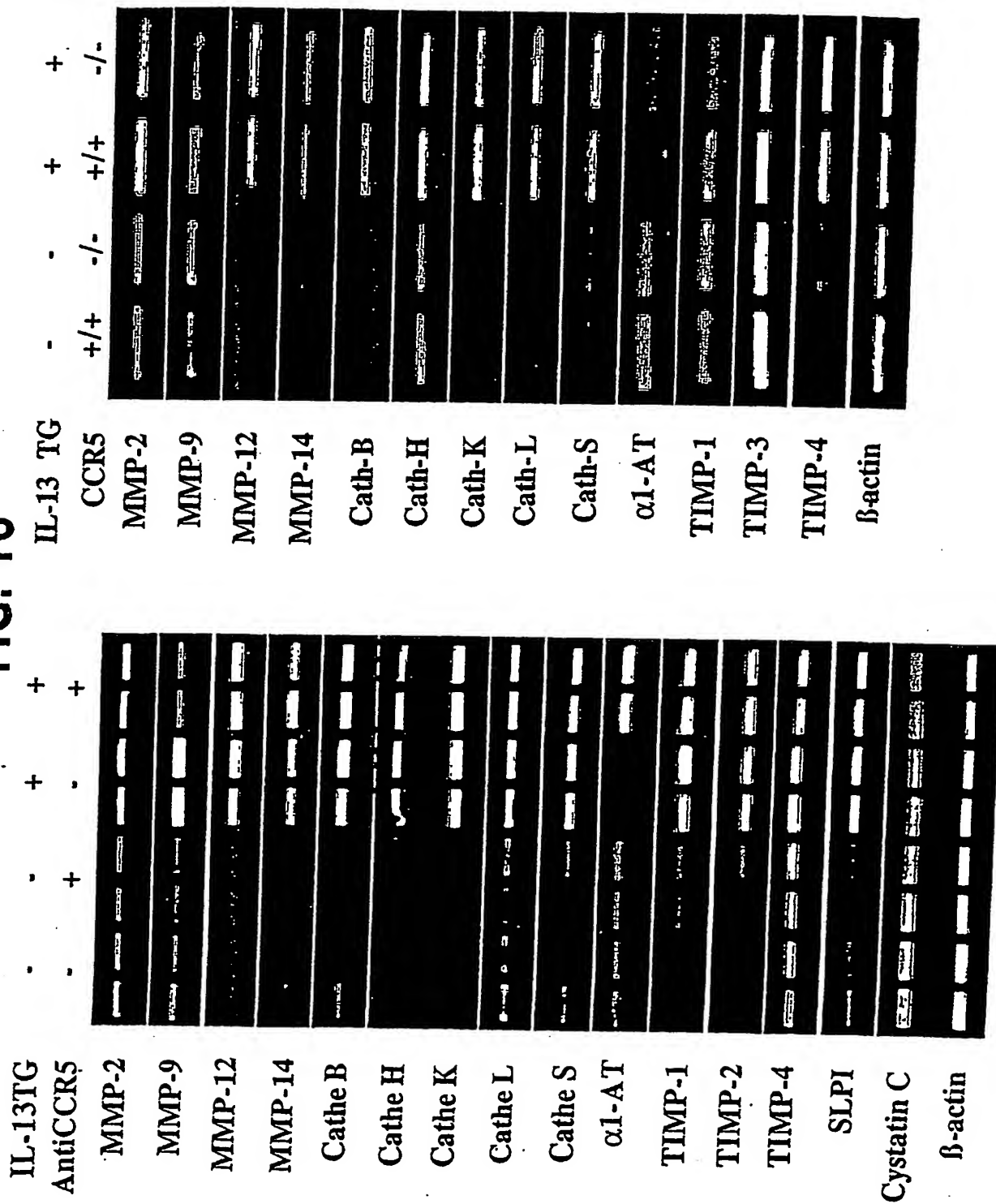


FIG. 17

BAL IL-13 Level of iIL-13 mice treated with Anti-CCR5 antibody

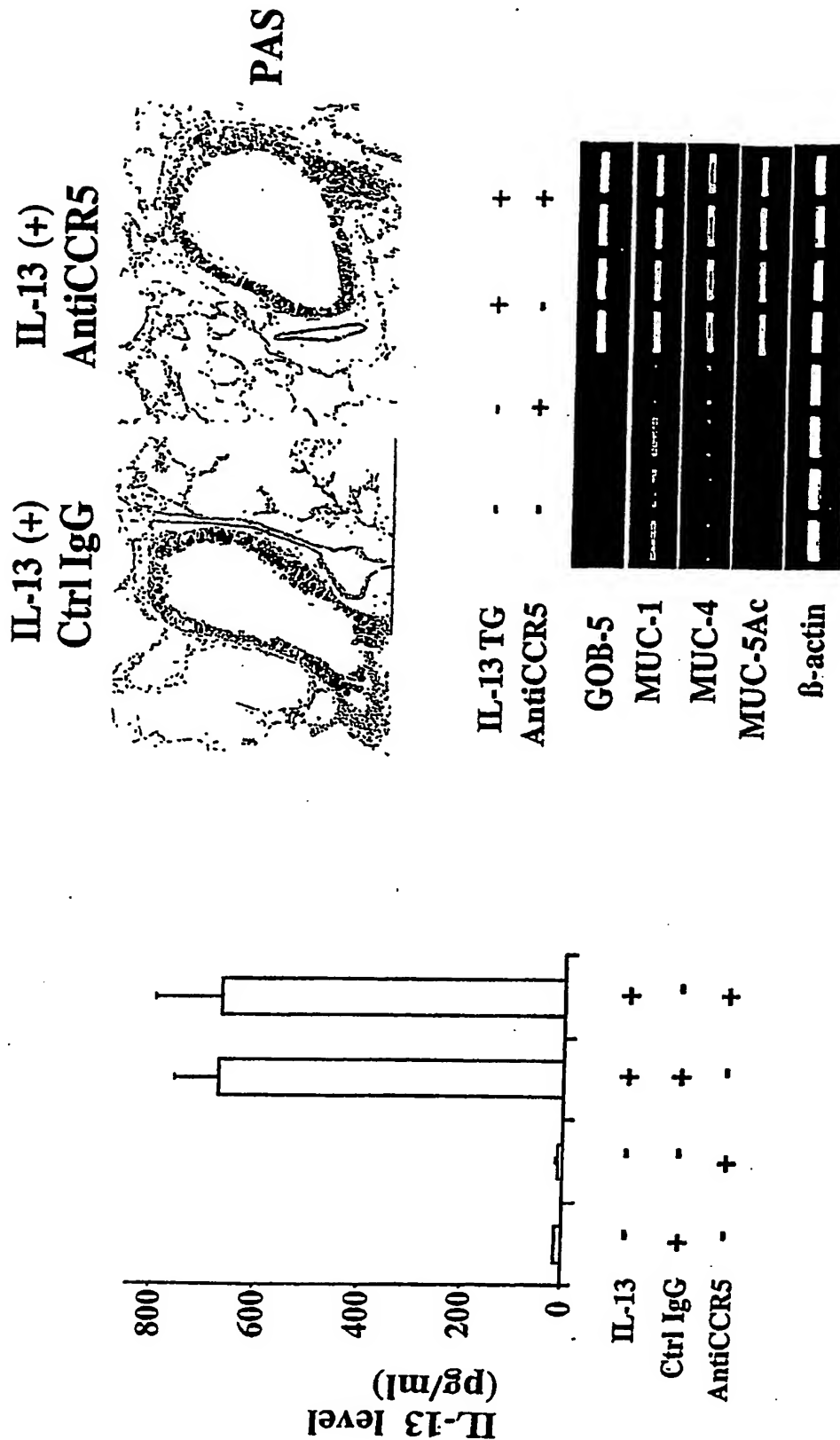
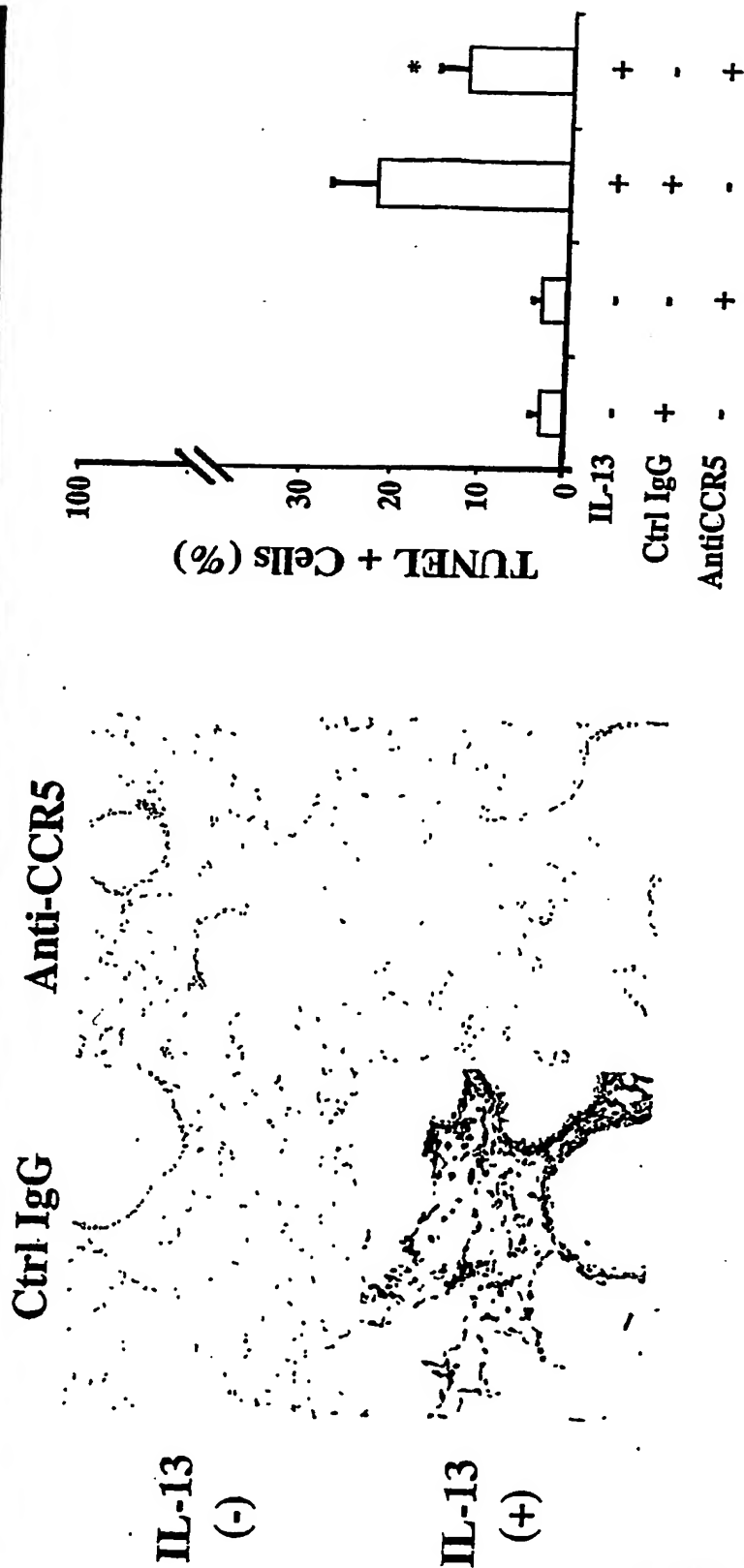
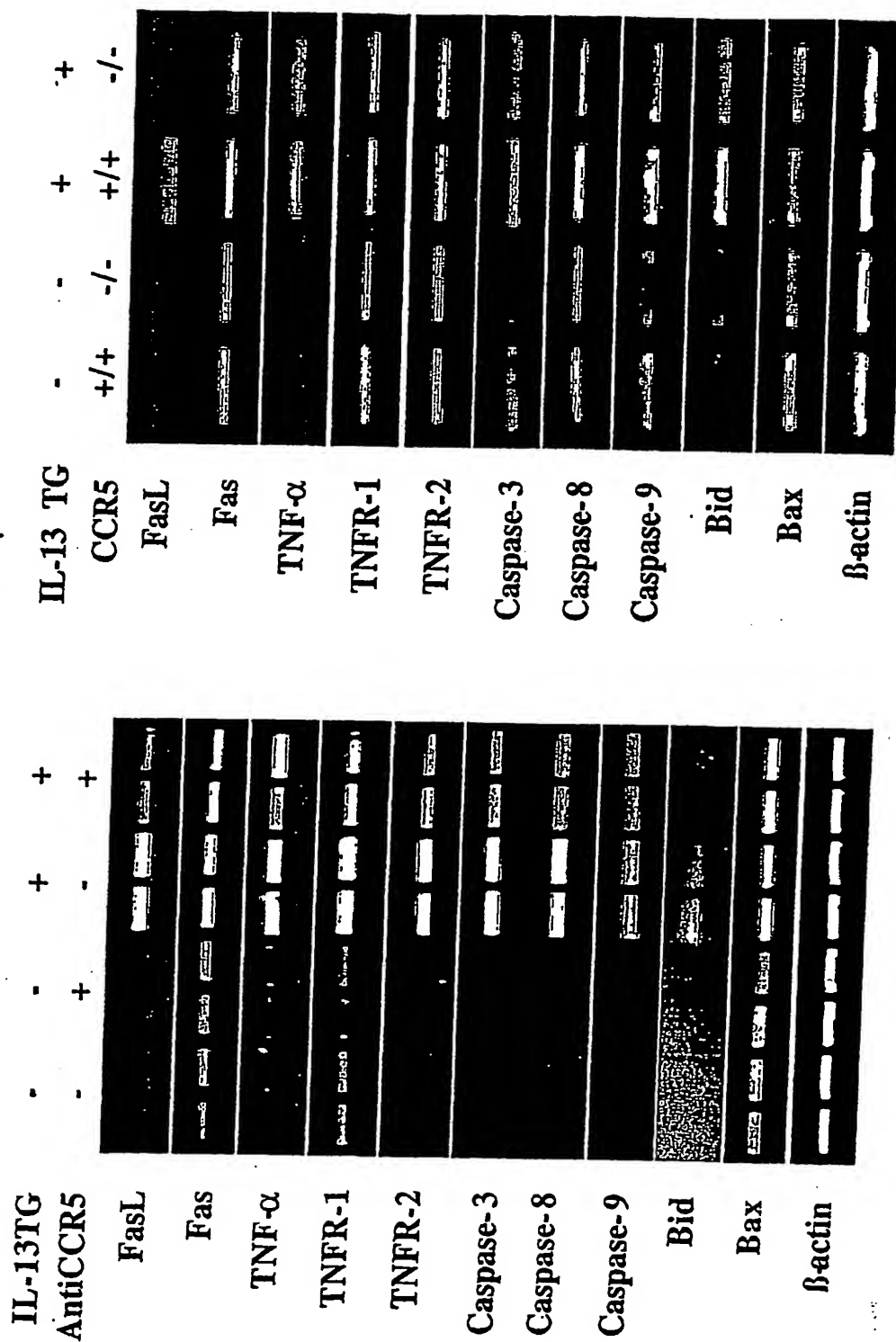


FIG. 18 TUNEL Staining in iLL-13 Mouse Lung



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FIG. 19



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FIG. 20 **Western Blot Detecting Apoptotic Factors in** **IL-13 Transgenic Mouse Lungs**

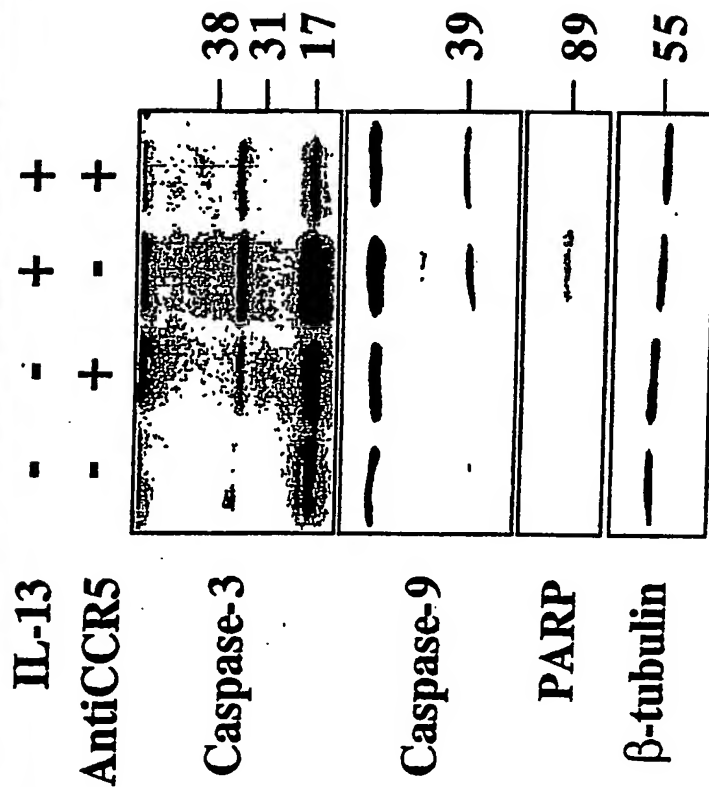


FIG. 21

CCR5ISH in CC10-IL-13 Mouse Lung

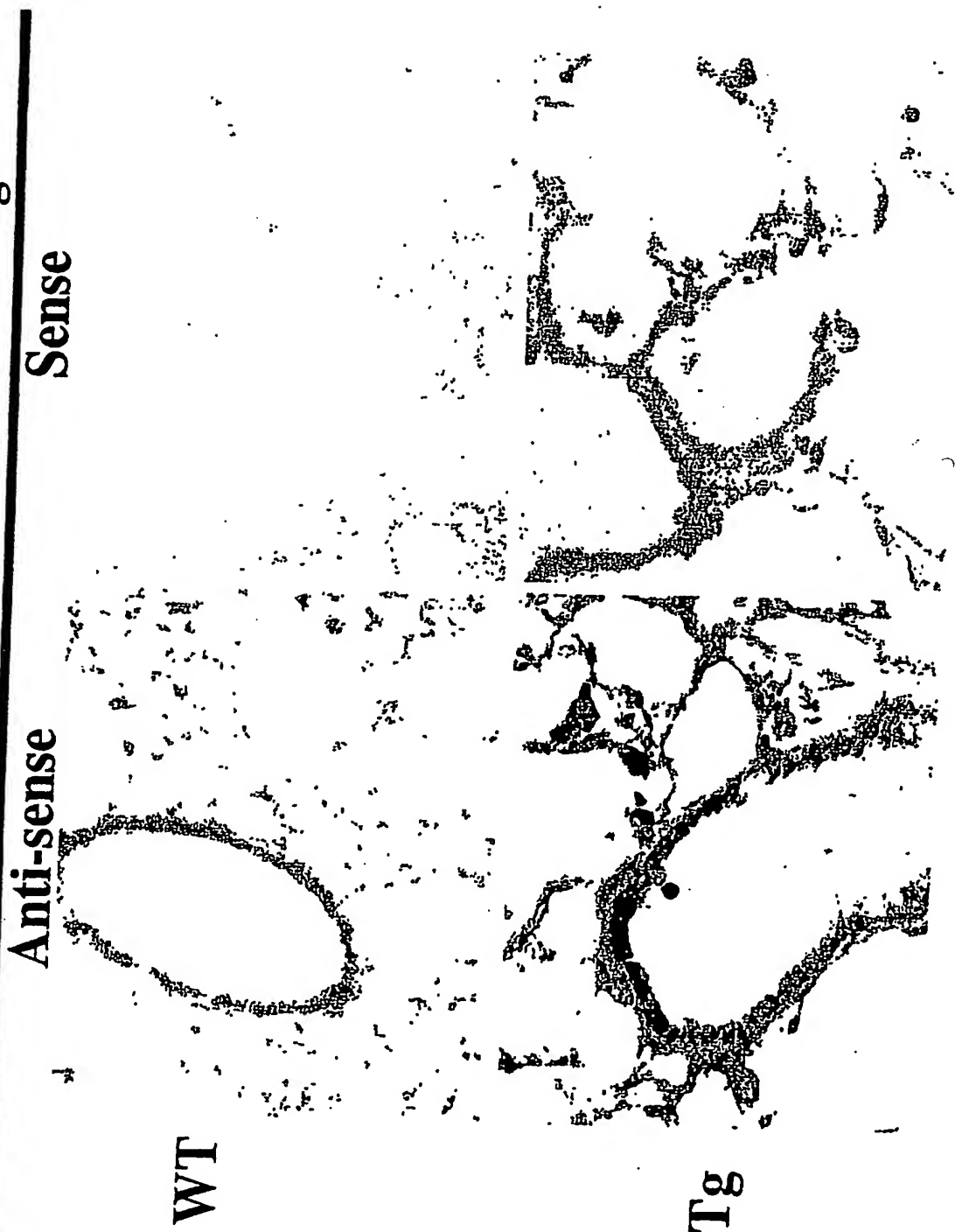
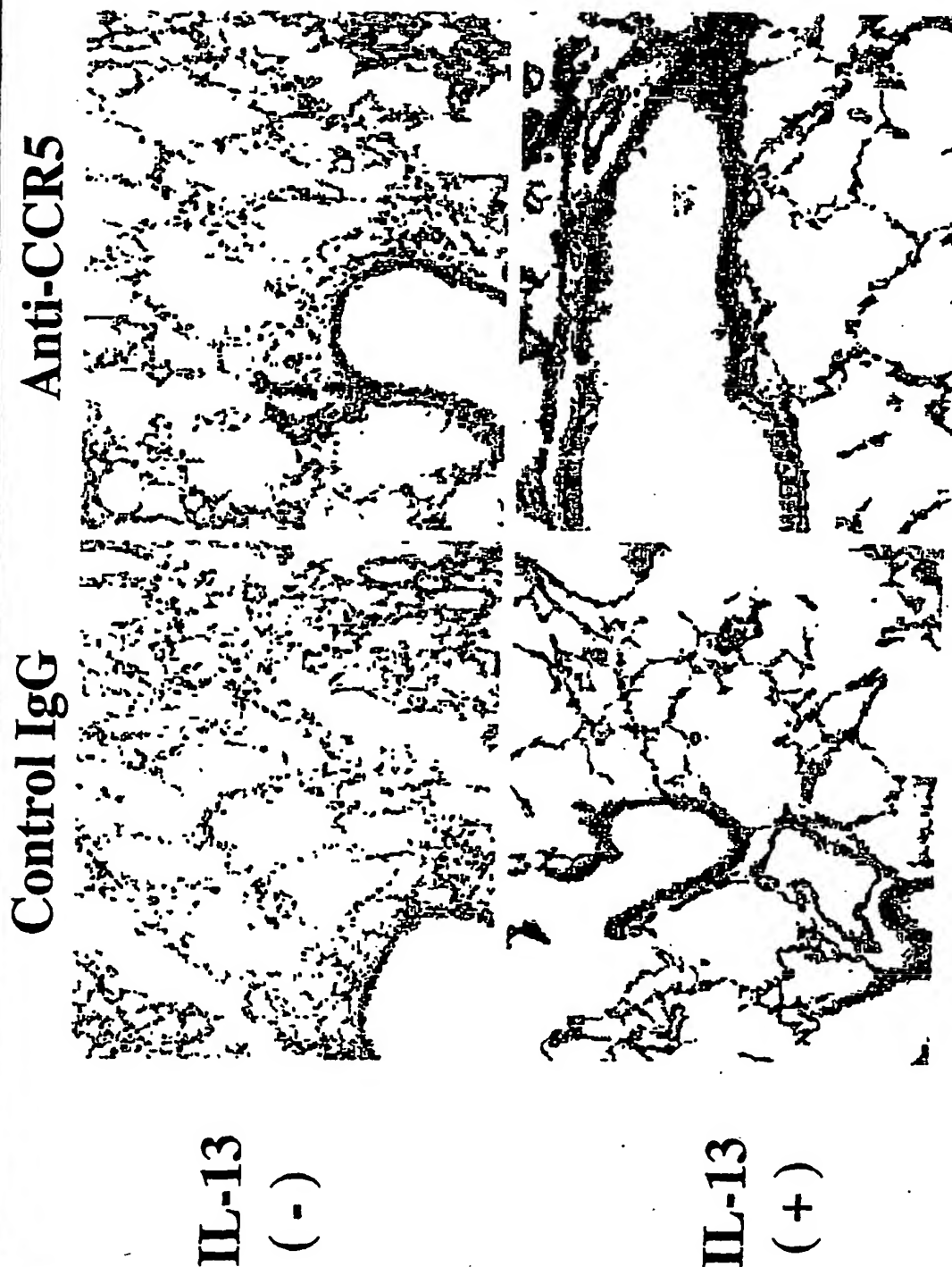


FIG. 22

CCR5 IHC in CC10-IL-13 Mouse Lung



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FIG. 23
Caspase Activities of CCR5ko/IL-13

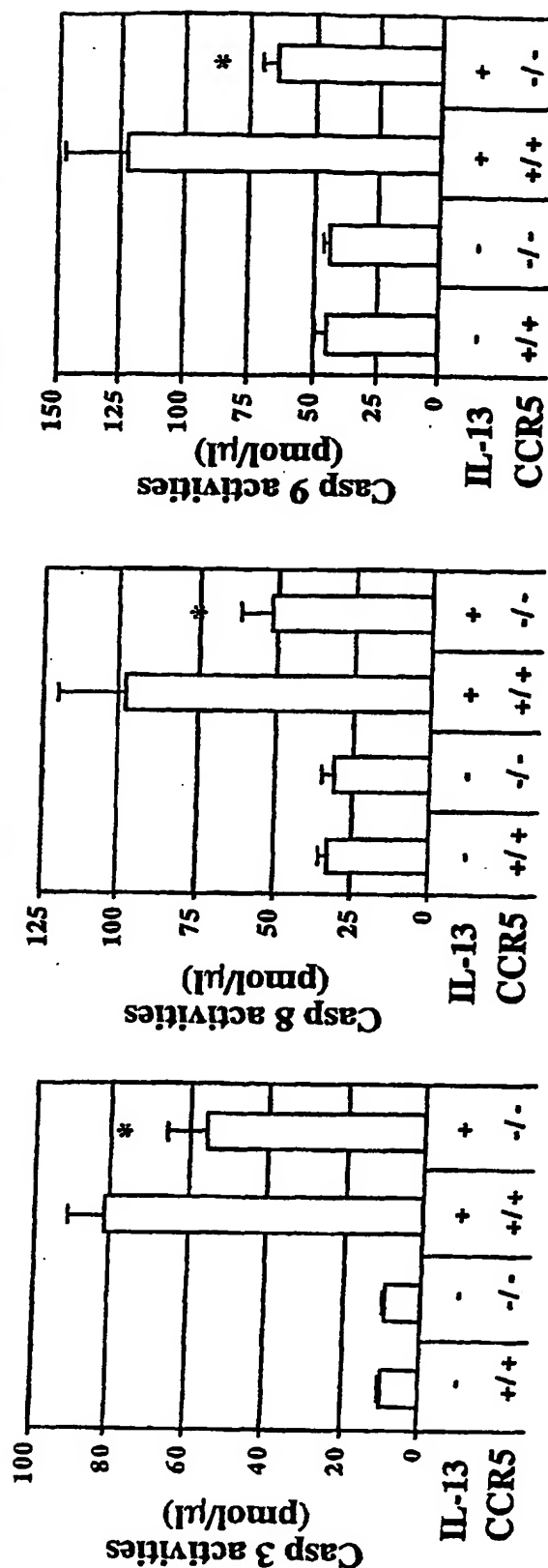


FIG. 24

CD4+ Cells in CC10-IFN- γ Mouse Lung

CD4+ cells

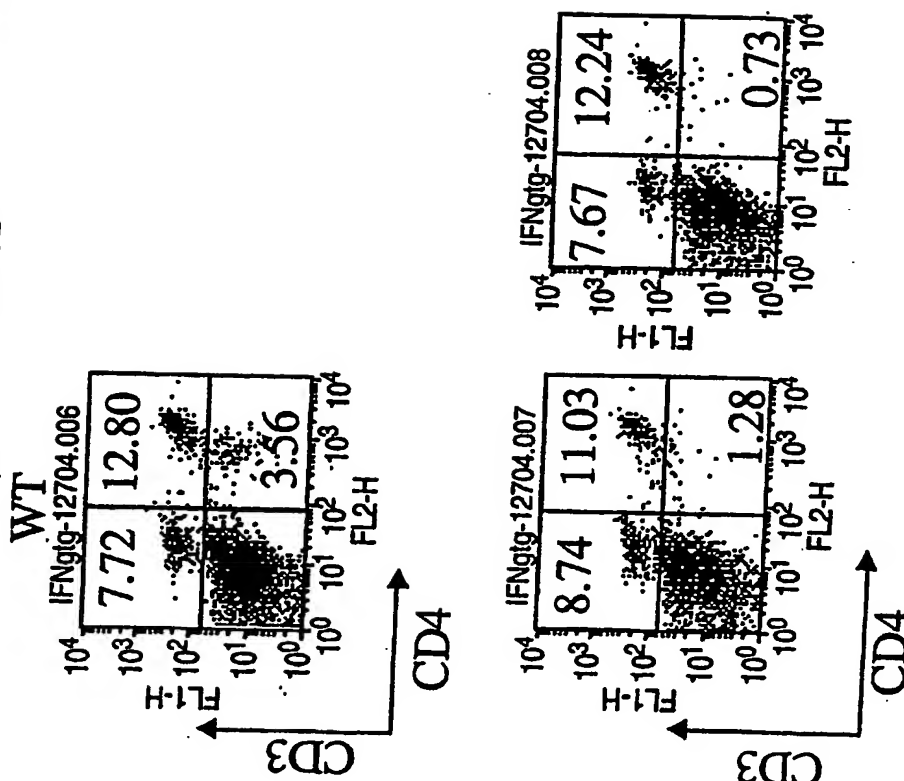


FIG. 25
CD8+ Cells in CC10-IFN- γ Mouse Lung

CD8+ cells

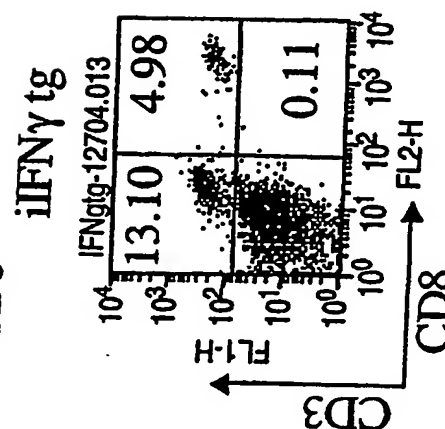
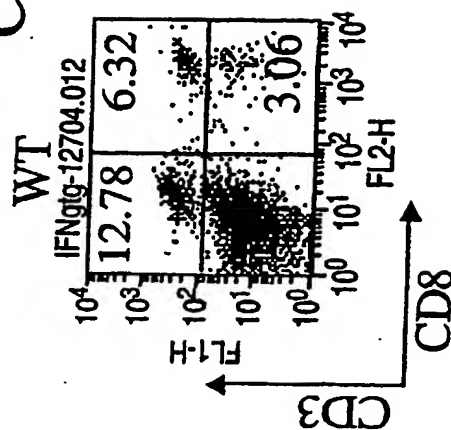


FIG. 26
NK Cells in CC10-IFN- γ Mouse Lung

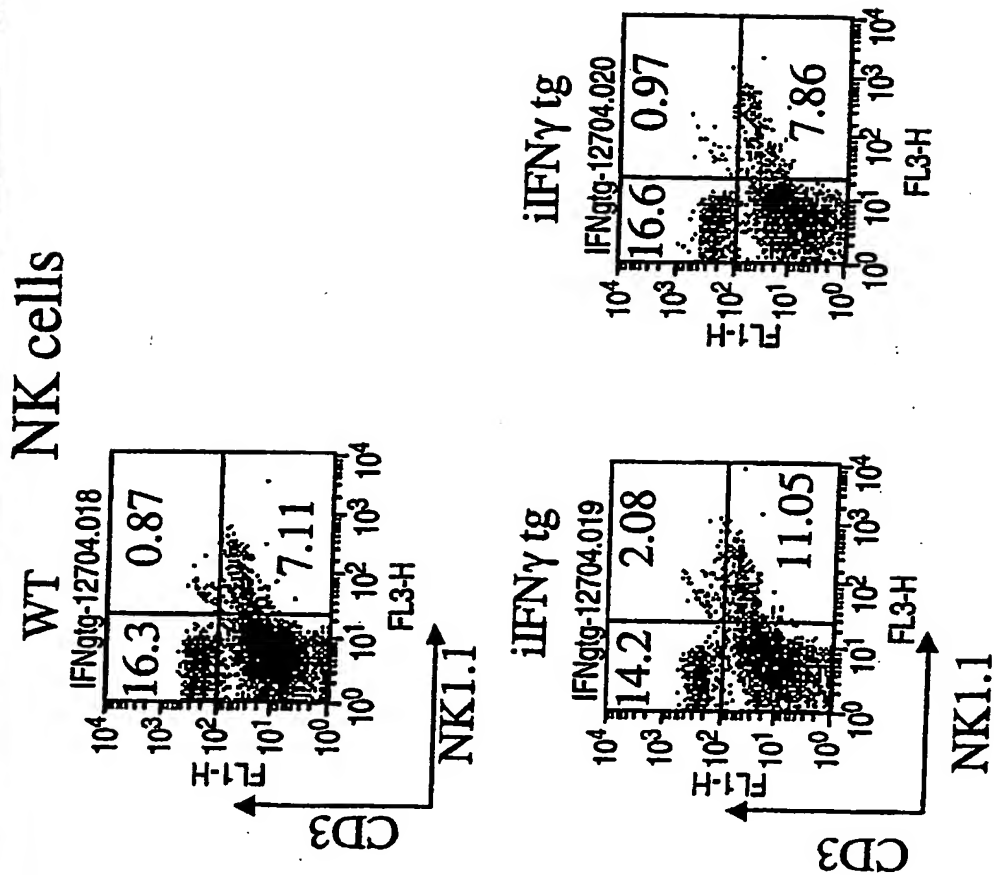
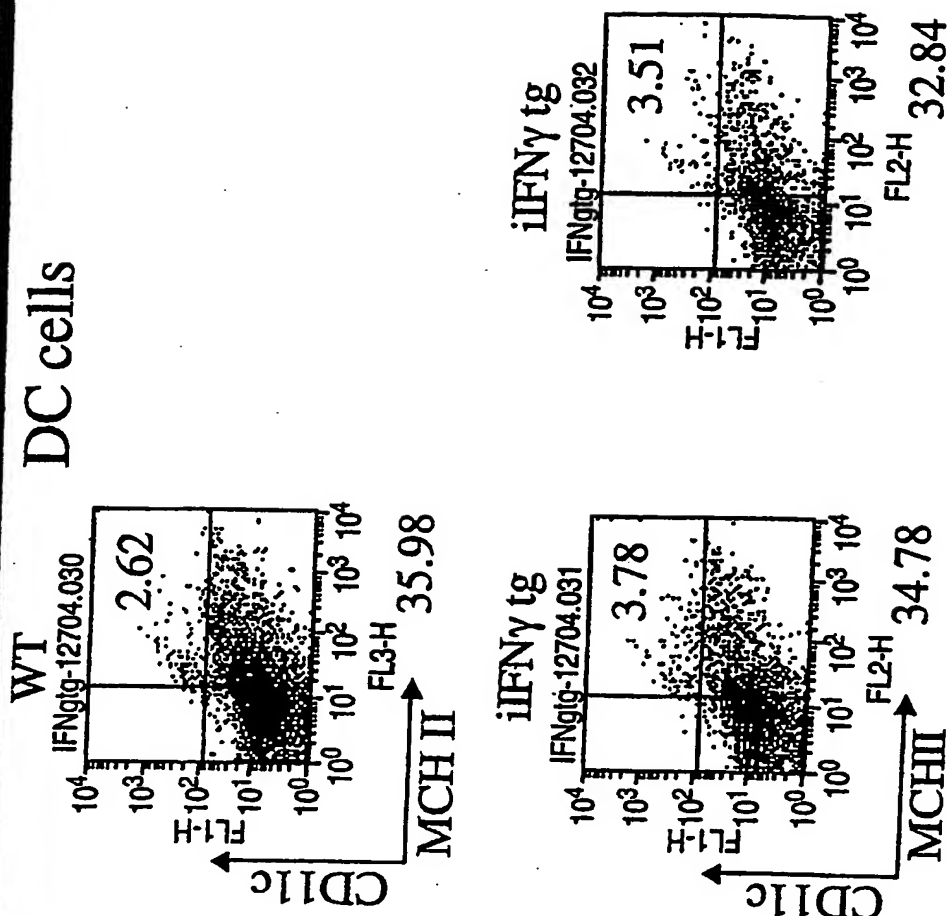


FIG. 27

DC Cells in CC10-IFN- γ Mouse Lung



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